

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: Transgenic model evaluation (Melfhalan)
CAS Number: 148-82-3

Date Report Requested: 10/20/2014
Time Report Requested: 04:54:24
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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 Species/Strain: Mouse/FVB/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
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 Lab: MBA

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

Alimentary System

Intestine Large, Cecum	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	14
Intestine Large, Colon	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	14
Intestine Large, Rectum	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	14
Intestine Small, Duodenum	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	14
Intestine Small, Ileum	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	14
Intestine Small, Jejunum	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	14
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Stomach, Forestomach	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	14
Stomach, Glandular	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	14

Cardiovascular System

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

Adrenal Cortex	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	14
Adrenal Medulla	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	14
Pituitary Gland	+	+	+	+	+	+	A	+	I	+	+	+	+	+	+	+	13
Thyroid Gland	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	14

General Body System

NONE

Genital System

* ..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
 BLANK ..Not examined microscopically

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 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	*TOTALS
	ANIMAL ID	1	1	1	1	1	1	4	8	8	8	8	8	8	8	
Epididymis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
Testes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
Hematopoietic System	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Bone Marrow	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	14
Lymph Node, Mandibular	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	15
Lymph Node, Mediastinal																13
Lymph Node, Mesenteric																15
Spleen																14
Thymus																14
Integumentary System																
Mammary Gland																0
Skin																15
Musculoskeletal System																
NONE																
Nervous System																
NONE																
Respiratory System																
Lung																15
Special Senses System																

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 + ..Tissue examined microscopically
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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	4	8	8	8	8	8	8	8	8
		6	6	6	6	6	6	4	6	6	6	6	6	6	6	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	
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	
		5	5	5	5	5	5	5	5	6	6	6	6	6	6	
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
		*TOTALS														

NONE																
Urinary System																
Kidney		+	+	+	+	+	A	+	+	+	+	+	+	+	+	14
SYSTEMIC LESIONS																
Multiple Organ		+	+	+	+	+	+	+	+	+	+	+	+	+	+	15

* ..Total animals with tissue examined microscopically; Total animals with tumor
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 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	4	8	8	4	8	7	8	8	3
	6	6	2	6	6	6	8	6	6	5	6	3	6	6	3
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
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	6	6	6	6	7	7	7	7	7	7	7	7	7	7	8
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0
	*TOTALS														

Alimentary System

Intestine Large, Cecum	+	+	+	+	+	+	A	+	+	A	+	+	+	+	+	13
Intestine Large, Colon	+	+	+	+	+	+	A	+	+	A	+	+	+	+	+	13
Intestine Large, Rectum	+	+	+	+	+	+	A	+	+	A	+	+	+	+	+	13
Intestine Small, Duodenum	+	+	+	+	+	+	A	+	+	A	+	+	+	+	+	13
Intestine Small, Ileum	+	+	+	+	+	+	A	+	+	A	+	+	+	+	A	12
Intestine Small, Jejunum	+	+	+	+	+	+	A	+	+	A	+	+	+	+	A	12
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Lymphoma Malignant			X				X			X						3
Pancreas												+				1
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Tooth	+	+				+		+	+				+		+	7

Cardiovascular System

Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Lymphoma Malignant			X							X						2

Endocrine System

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Pituitary Gland	+	+	+	+	+	+	I	+	+	I	+	+	+	+	+	13
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15

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

General Body System

NONE

Genital System

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Penis													+			1
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15

Hematopoietic System

Bone Marrow	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	14
Lymphoma Malignant												X				1
Lymph Node												+				1
Lymphoma Malignant												X				1
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Lymphoma Malignant												X				1
Lymph Node, Mediastinal	+	+	M	+	+	+	+	+	I	+	+	M	+	+	M	11
Lymphoma Malignant							X				X					2
Lymph Node, Mesenteric	+	+	+	+	+	+	A	+	+	+	+	+	+	+	M	13
Lymphoma Malignant												X				1
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Lymphoma Malignant				X				X			X	X				4
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	14
Lymphoma Malignant				X			X	X			X	X				5

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

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																
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Nervous System

NONE																
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Respiratory System

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Alveolar/Bronchiolar Adenoma						X		X				X	X			4
Alveolar/Bronchiolar Adenoma, Multiple														X		1
Alveolar/Bronchiolar Carcinoma										X						1
Lymphoma Malignant			X				X		X							3

Special Senses System

Eye																+	1
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Urinary System

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Lymphoma Malignant			X				X		X		X					4

SYSTEMIC LESIONS

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 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	4	8	8	4	8	7	8	8	3	
	6	6	2	6	6	6	8	6	6	5	6	3	6	6	3	
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	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	6	6	6	6	7	7	7	7	7	7	7	7	7	7	8	
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	
	*TOTALS															
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Lymphoma Malignant			X			X	X			X		X				5

END OF MALE DATA

* ..Total animals with tissue examined microscopically; Total animals with tumor
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 Lab: MBA

DAY ON TEST	0															*TOTALS
	FVB/N Mouse Female	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
VEHICLE CONTROL	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	120
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	75
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
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	120
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	75

Alimentary System

Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15

Cardiovascular System

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

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15

General Body System

NONE

Genital System

* ..Total animals with tissue examined microscopically; Total animals with tumor
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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	
Ovary	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
Uterus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
Hematopoietic System																
Bone Marrow	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
Lymph Node, Mandibular	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
Lymph Node, Mediastinal	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
Lymph Node, Mesenteric	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
Spleen	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
Thymus	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
Integumentary System																
Mammary Gland	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
Skin	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
Musculoskeletal System																
NONE																
Nervous System																
NONE																
Respiratory System																
Lung	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
Alveolar/Bronchiolar Adenoma		X														1

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FVB/N Mouse Female VEHICLE CONTROL	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*TOTALS
		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	
		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
	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	
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
		8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	

Special Senses System

NONE

Urinary System

Kidney + + + + + + + + + + + + + + 15

SYSTEMIC LESIONS

Multiple Organ + + + + + + + + + + + + + + 15

* ..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
 BLANK ..Not examined microscopically

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Transgenic model evaluation (Melphalan)
 CAS Number: 148-82-3

Date Report Requested: 10/20/2014
 Time Report Requested: 04:54:25
 First Dose M/F: NA / NA
 Lab: MBA

DAY ON TEST	0															*TOTALS
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
FVB/N Mouse Female 4.0 MG/KG ANIMAL ID	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	15
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	15
	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
	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	15
	9	9	9	9	0	0	0	0	0	0	0	0	0	0	1	15
6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	0	

Alimentary System

Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15

Cardiovascular System

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

Adrenal Cortex	+	+	+		+	+	+	+	+	+	+	+	+	+	14
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15

General Body System

NONE

Genital System

* ..Total animals with tissue examined microscopically; Total animals with tumor
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 X ..Lesion present
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Experiment Number: 97011-23
 Test Type: 26-WEEK
 Route: SKIN APPLICATION
 Species/Strain: Mouse/FVB/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Transgenic model evaluation (Melphalan)
 CAS Number: 148-82-3

Date Report Requested: 10/20/2014
 Time Report Requested: 04:54:25
 First Dose M/F: NA / NA
 Lab: MBA

FVB/N Mouse Female 4.0 MG/KG	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	8	
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
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	
	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	
	9	9	9	9	0	0	0	0	0	0	0	0	0	0	1	
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Hematopoietic System																
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Lymph Node, Mediastinal	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Integumentary System																
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Musculoskeletal System																
NONE																
Nervous System																
NONE																
Respiratory System																
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Alveolar/Bronchiolar Adenoma											X	X				2
Alveolar/Bronchiolar Adenoma, Multiple							X						X			2

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
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Experiment Number: 97011-23
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 First Dose M/F: NA / NA
 Lab: MBA

		DAY ON TEST																	
FVB/N Mouse Female	4.0 MG/KG	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	
		8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		
	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		
		1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2		
		9	9	9	9	0	0	0	0	0	0	0	0	0	0	0	1		
		6	7	8	9	0	1	2	3	4	5	6	7	8	9	0		*TOTALS	
	Carcinoma, Metastatic, Uncertain Primary Site						X											1	
	Special Senses System																		
	NONE																		
	Urinary System																		
	Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15	
	SYSTEMIC LESIONS																		
	Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15	
																		** END OF REPORT **	

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