P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)

Test Compound: Transgenic model evaluation (Cyclophosphamide monohydrate)

CAS Number: 6055-19-2

Date Report Requested: 10/23/2014 Time Report Requested: 05:31:31 First Dose M/F: NA / NA Lab: MBA

C Number:	C97011A
Lock Date:	09/18/2000
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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CAS Number: 6055-19-2

Date Report Requested: 10/23/2014 Time Report Requested: 05:31:31 First Dose M/F: NA / NA Lab: MBA

FVB/N Mouse MALE	VEHICLE CONTROL	90 MG/KG
Disposition Summary		
Animals Initially In Study	15	15
Early Deaths		
Natural Death		1
Survivors		
Accidentally Killed	4	
Natural Death		1
Terminal Sacrifice	11	13
Animals Examined Microscopically	15	15
ALIMENTARY SYSTEM		
Liver	(15)	(15)
Salivary Glands	(15)	(15)
Stomach, Forestomach	(15)	(14)
CARDIOVASCULAR SYSTEM		
None		
ENDOCRINE SYSTEM		
Adrenal Cortex	(15)	(14)
Adenoma		1 (7%)
Adrenal Medulla	(15)	(14)
Pituitary Gland	(14)	(14)
Thyroid Gland	(14)	(14)
GENERAL BODY SYSTEM		
None		
GENITAL SYSTEM		
Epididymis	(15)	(14)
Prostate	(0)	(1)

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

b - Primary tumors: all tumors except metastatic tumors

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CAS Number: 6055-19-2

Date Report Requested: 10/23/2014 Time Report Requested: 05:31:31 First Dose M/F: NA / NA Lab: MBA

FVB/N Mouse MALE	VEHICLE CONTROL	90 MG/KG
Seminal Vesicle	(0)	(6)
Testes	(15)	(15)
HEMATOPOIETIC SYSTEM		
Bone Marrow	(15)	(14)
Lymph Node, Mandibular	(15)	(14)
Lymph Node, Mediastinal	(10)	(9)
Lymph Node, Mesenteric	(15)	(13)
Spleen	(15)	(14)
Thymus	(15)	(13)
INTEGUMENTARY SYSTEM		
Mammary Gland	(2)	(0)
Skin	(15)	(15)
MUSCULOSKELETAL SYSTEM		
None		
NERVOUS SYSTEM		
Peripheral Nerve	(15)	(15)
RESPIRATORY SYSTEM		
Lung	(15)	(15)
Alveolar/Bronchiolar Adenoma	3 (20%)	
Alveolar/Bronchiolar Carcinoma	1 (7%)	
SPECIAL SENSES SYSTEM		
None		
URINARY SYSTEM		
Kidney	(15)	(14)
Urinary Bladder	(14)	(14)

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

b - Primary tumors: all tumors except metastatic tumors

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)

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FVB/N Mouse MALE

VEHICLE CONTROL

L 90 MG/KG

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

b - Primary tumors: all tumors except metastatic tumors

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)

Test Compound: Transgenic model evaluation (Cyclophosphamide monohydrate)

CAS Number: 6055-19-2

Date Report Requested: 10/23/2014 Time Report Requested: 05:31:31 First Dose M/F: NA / NA Lab: MBA

FVB/N Mouse MALE	VEHICLE CONTROL	90 MG/KG
Tumor Summary for MALE		
Total Animals with Primary Neoplasms (b)	3	1
Total Primary Neoplasms	4	1
Total Animals with Benign Neoplasms	3	1
Total Benign Neoplasms	3	1
Total Animals with Malignant Neoplasms	1	
Total Malignant Neoplasms	1	
Total Animals with Metastatic Neoplasms		
Total Metastatic Neoplasms		
Total Animals with Malignant Neoplasms Uncertain Primary Site		
Total Animals with Neoplasms Uncertain - Benign or Malignant		
Total Uncertain Neoplasms		

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

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)

Test Compound: Transgenic model evaluation (Cyclophosphamide monohydrate)

CAS Number: 6055-19-2

Date Report Requested: 10/23/2014 Time Report Requested: 05:31:31 First Dose M/F: NA / NA Lab: MBA

FVB/N Mouse FEMALE	VEHICLE CONTROL	90 MG/KG
Disposition Summary		
Animals Initially In Study	15	15
Early Deaths		
Accidentally Killed	1	
Moribund Sacrifice		1
Survivors		
Accidentally Killed	2	
Terminal Sacrifice	12	14
Animals Examined Microscopically	15	15
ALIMENTARY SYSTEM		
Liver	(15)	(15)
Salivary Glands	(15)	(15)
Stomach, Forestomach	(15)	(15)
CARDIOVASCULAR SYSTEM		
None		
ENDOCRINE SYSTEM		
Adrenal Cortex	(15)	(15)
Adrenal Medulla	(15)	(15)
Pituitary Gland	(13)	(12)
Thyroid Gland	(15)	(15)
GENERAL BODY SYSTEM		
None		
GENITAL SYSTEM		
Ovary	(15)	(14)
Uterus	(15)	(15)

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

b - Primary tumors: all tumors except metastatic tumors

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)

Test Compound: Transgenic model evaluation (Cyclophosphamide monohydrate)

CAS Number: 6055-19-2

Date Report Requested: 10/23/2014 Time Report Requested: 05:31:31 First Dose M/F: NA / NA Lab: MBA

Bone Marrow (15) (15) Lymph Node (1) (0) Lymph Node, Mandibular (15) (15) Lymph Node, Mediastinal (11) (12) Lymph Node, Mediastinal (11) (12) Lymph Node, Mediastinal (11) (12) Lymph Node, Mesenteric (15) (15) Spleen (15) (15) Thymus (15) (14) NTEGUMENTARY SYSTEM (14) (14) Skin (15) (15) MUSCULOSKELETAL SYSTEM (15) (15) MUSCULOSKELETAL SYSTEM None (10) NERVOUS SYSTEM Spinal Cord (1) (0) RESPIRATORY SYSTEM (15) (15) (15) Lung (15) (15) (15) (15) Alveolar/Bronchiolar Adenoma 1 (7%) 2 (13%) Alveolar/Bronchiolar Adenoma, Multiple 1 (7%) SPECIAL SENSES SYSTEM None None 1 (7%) 1 (7%)	FVB/N Mouse FEMALE	VEHICLE CONTROL	90 MG/KG
Lymph Node (1) (0) Lymph Node, Mandibular (15) (15) Lymph Node, Mediastinal (11) (12) Lymph Node, Mesenteric (15) (15) Lymph Node, Mesenteric (15) (15) Spleen (15) (15) Thymus (15) (14) NTEGUMENTARY SYSTEM Mammary Gland (14) MSKin (15) (15) MUSCULOSKELETAL SYSTEM (15) (15) MUSCULOSKELETAL SYSTEM None VERVOUS SYSTEM Brain (1) (0) Peripheral Nerve (15) (15) Spinal Cord (1) (0) RESPIRATORY SYSTEM Uung (15) (15) Lung (15) (15) (15) (15) (15) Alveolar/Bronchiolar Adenoma 1 (7%) 2 (13%) Alveolar/Bronchiolar Adenoma, Multiple 1 (7%) SPECIAL SENSES SYSTEM None URINARY SYSTEM URINARY SYSTEM URINARY SYSTEM	HEMATOPOIETIC SYSTEM		
Lymph Node, Mandibular (15) (15) Lymph Node, Mediastinal (11) (12) Lymph Node, Mesenteric (15) (15) Spleen (15) (15) Thymus (15) (14) INTEGUMENTARY SYSTEM (14) (14) Mammary Gland (14) (14) Skin (15) (15) MUSCULOSKELETAL SYSTEM (15) (15) MUSCULOSKELETAL SYSTEM (11) (0) Peripheral Nerve (15) (15) Spinal Cord (1) (0) RESPIRATORY SYSTEM Uung (15) (15) Alveolar/Bronchiolar Adenoma 1 (7%) 2 (13%) Alveolar/Bronchiolar Adenoma, Multiple 1 (7%) 2 (13%) None URINARY SYSTEM URINARY SYSTEM	Bone Marrow	(15)	(15)
Lymph Node, Mediastinal (11) (12) Lymph Node, Mesenteric (15) (15) Spleen (15) (15) Thymus (15) (14) INTEGUMENTARY SYSTEM (14) (14) Mammary Gland (14) (14) Skin (15) (15) MUSCULOSKELETAL SYSTEM (15) (15) MUSCULOSKELETAL SYSTEM (15) (15) None (11) (0) Peripheral Nerve (15) (15) Spinal Cord (1) (0) RESPIRATORY SYSTEM Lung (15) (15) Lung (15) (15) (15) Alveolar/Bronchiolar Adenoma 1 (7%) 2 (13%) Alveolar/Bronchiolar Adenoma, Multiple 1 (7%) 2 (13%) SPECIAL SENSES SYSTEM None JURINARY SYSTEM	Lymph Node	(1)	(0)
Lymph Node, Mesenteric (15) (15) Spleen (15) (15) Thymus (15) (14) INTEGUMENTARY SYSTEM Mammary Gland (14) Marmary Gland (14) (14) NTEGUMENTARY SYSTEM (15) (15) MUSCULOSKELETAL SYSTEM (15) (15) MUSCULOSKELETAL SYSTEM (15) (15) None (11) (0) Peripheral Nerve (15) (15) Spinal Cord (1) (0) RESPIRATORY SYSTEM Lung (15) (15) Alveolar/Bronchiolar Adenoma 1 (7%) 2 (13%) Alveolar/Bronchiolar Adenoma, Multiple 1 (7%) 2 (13%) SPECIAL SENSES SYSTEM JURINARY SYSTEM JURINARY SYSTEM	Lymph Node, Mandibular	(15)	(15)
Spleen (15) (15) Thymus (15) (14) INTEGUMENTARY SYSTEM (14) (14) Mammary Gland (14) (14) Skin (15) (14) MUSCULOSKELETAL SYSTEM (15) (15) MUSCULOSKELETAL SYSTEM (15) (15) MUSCULOSKELETAL SYSTEM (10) (0) Nervous SYSTEM (15) (15) Brain (1) (0) Peripheral Nerve (15) (15) Spinal Cord (1) (0) RESPIRATORY SYSTEM (15) (15) Lung (15) (15) (15) Alveolar/Bronchiolar Adenoma 1 (7%) 2 (13%) Alveolar/Bronchiolar Adenoma, Multiple 1 (7%) 2 (13%) SPECIAL SENSES SYSTEM None URINARY SYSTEM	Lymph Node, Mediastinal	(11)	(12)
Thymus(15)(14)INTEGUMENTARY SYSTEM(14)(14)Mammary Gland(14)(14)Skin(15)(15)MUSCULOSKELETAL SYSTEM(15)(15)MUSCULOSKELETAL SYSTEM(1)(0)Peripheral Nerve(15)(15)Spinal Cord(1)(0)RESPIRATORY SYSTEM(15)(15)Lung(15)(15)Alveolar/Bronchiolar Adenoma1 (7%)2 (13%)Alveolar/Bronchiolar Adenoma, Multiple1 (7%)SPECIAL SENSES SYSTEMURINARY SYSTEMURINARY SYSTEMURINARY SYSTEM	Lymph Node, Mesenteric	(15)	(15)
INTEGUMENTARY SYSTEM Mammary Gland (14) (14) Skin (15) (15) MUSCULOSKELETAL SYSTEM None NERVOUS SYSTEM Brain (1) (0) Peripheral Nerve (15) (15) Spinal Cord (1) (0) RESPIRATORY SYSTEM Lung (15) (15) (15) Alveolar/Bronchiolar Adenoma 1 (7%) 2 (13%) Alveolar/Bronchiolar Adenoma, Multiple 1 (7%) SPECIAL SENSES SYSTEM None URINARY SYSTEM	Spleen	(15)	(15)
Mammary Gland(14)(14)Skin(15)(15)MUSCULOSKELETAL SYSTEMIntervetNoneIntervetNERVOUS SYSTEMIntervetBrain(1)(0)Peripheral Nerve(15)(15)Spinal Cord(1)(0)RESPIRATORY SYSTEMIntervetIntervetLung(15)(15)(15)Alveolar/Bronchiolar Adenoma1 (7%)2 (13%)Alveolar/Bronchiolar Adenoma, Multiple1 (7%)SPECIAL SENSES SYSTEMIntervetNoneIntervetURINARY SYSTEMIntervet	Thymus	(15)	(14)
Skin(15)(15)MUSCULOSKELETAL SYSTEM NoneNoneNERVOUS SYSTEM Brain(1)(0)Peripheral Nerve(15)(15)Spinal Cord(1)(0)RESPIRATORY SYSTEM Lung(15)(15)Alveolar/Bronchiolar Adenoma1 (7%)2 (13%)Alveolar/Bronchiolar Adenoma, Multiple1 (7%)SPECIAL SENSES SYSTEM NoneNoneURINARY SYSTEMInterve	INTEGUMENTARY SYSTEM		
MUSCULOSKELETAL SYSTEM None NERVOUS SYSTEM Brain (1) (0) Peripheral Nerve (15) (15) Spinal Cord (1) (0) RESPIRATORY SYSTEM Lung (15) (15) Alveolar/Bronchiolar Adenoma 1 (7%) 2 (13%) Alveolar/Bronchiolar Adenoma, Multiple 1 (7%) SPECIAL SENSES SYSTEM None URINARY SYSTEM	Mammary Gland	(14)	(14)
None NERVOUS SYSTEM Brain (1) (0) Peripheral Nerve (15) (15) Spinal Cord (1) (0) RESPIRATORY SYSTEM (1) (0) Lung (15) (15) Alveolar/Bronchiolar Adenoma 1 (7%) 2 (13%) Alveolar/Bronchiolar Adenoma, Multiple 1 (7%) SPECIAL SENSES SYSTEM	Skin	(15)	(15)
Brain(1)(0)Peripheral Nerve(15)(15)Spinal Cord(1)(0)RESPIRATORY SYSTEM(1)(0)Lung(15)(15)Alveolar/Bronchiolar Adenoma1 (7%)2 (13%)Alveolar/Bronchiolar Adenoma, Multiple1 (7%)SPECIAL SENSES SYSTEM1NoneVRINARY SYSTEM	MUSCULOSKELETAL SYSTEM None		
Peripheral Nerve(15)(15)Spinal Cord(1)(0)RESPIRATORY SYSTEM(15)(15)Lung(15)(15)Alveolar/Bronchiolar Adenoma1 (7%)2 (13%)Alveolar/Bronchiolar Adenoma, Multiple1 (7%)SPECIAL SENSES SYSTEMNoneURINARY SYSTEMURINARY SYSTEM	NERVOUS SYSTEM		
Spinal Cord(1)(0)RESPIRATORY SYSTEM(15)(15)Lung(15)(15)Alveolar/Bronchiolar Adenoma1 (7%)2 (13%)Alveolar/Bronchiolar Adenoma, Multiple1 (7%)SPECIAL SENSES SYSTEM1NoneVRINARY SYSTEM	Brain	(1)	(0)
RESPIRATORY SYSTEM Lung (15) (15) Alveolar/Bronchiolar Adenoma 1 (7%) 2 (13%) Alveolar/Bronchiolar Adenoma, Multiple 1 (7%) SPECIAL SENSES SYSTEM None URINARY SYSTEM	Peripheral Nerve	(15)	(15)
Lung (15) (15) Alveolar/Bronchiolar Adenoma 1 (7%) 2 (13%) Alveolar/Bronchiolar Adenoma, Multiple 1 (7%) SPECIAL SENSES SYSTEM 1 (7%) None URINARY SYSTEM	Spinal Cord	(1)	(0)
Alveolar/Bronchiolar Adenoma 1 (7%) 2 (13%) Alveolar/Bronchiolar Adenoma, Multiple 1 (7%) SPECIAL SENSES SYSTEM 1 (7%) None URINARY SYSTEM	RESPIRATORY SYSTEM		
Alveolar/Bronchiolar Adenoma, Multiple 1 (7%) SPECIAL SENSES SYSTEM None URINARY SYSTEM	Lung	(15)	(15)
SPECIAL SENSES SYSTEM None URINARY SYSTEM	Alveolar/Bronchiolar Adenoma	1 (7%)	2 (13%)
None URINARY SYSTEM	Alveolar/Bronchiolar Adenoma, Multiple		1 (7%)
	SPECIAL SENSES SYSTEM None		
Kidney (15) (15)	URINARY SYSTEM		
	Kidney	(15)	(15)

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

b - Primary tumors: all tumors except metastatic tumors

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Test Compound: Transgenic model evaluation (Cyclophosphamide monohydrate)

CAS Number: 6055-19-2

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FVB/N Mouse FEMALE	VEHICLE CONTROL	90 MG/KG
Urinary Bladder	(15)	(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

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)

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CAS Number: 6055-19-2

Date Report Requested: 10/23/2014 Time Report Requested: 05:31:31 First Dose M/F: NA / NA Lab: MBA

FVB/N Mouse FEMALE	VEHICLE CONTROL	90 MG/KG
Tumor Summary for FEMALE		
Total Animals with Primary Neoplasms (b)	1	3
Total Primary Neoplasms	1	3
Total Animals with Benign Neoplasms	1	3
Total Benign Neoplasms	1	3
Total Animals with Malignant Neoplasms Total Malignant Neoplasms		
Total Animals with Metastatic Neoplasms Total Metastatic Neoplasms		
Total Animals with Malignant Neoplasms Uncertain Primary Site		
Total Animals with Neoplasms Uncertain - Benign or Malignant		
Total Uncertain Neoplasms		

** END OF REPORT **

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

b - Primary tumors: all tumors except metastatic tumors