

Experiment Number: 89029-04
Test Type: 150-DAY
Route: MAGNETIC FIELDS
Species/Strain: Mouse/P53(C57BL/6)

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)
Test Compound: Magnetic fields (EMF)
CAS Number: MAGNETIC

Date Report Requested: 10/20/2014
Time Report Requested: 19:54:56
First Dose M/F: NA / NA
Lab: IIT

C Number:	C89029B
Lock Date:	01/03/1995
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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P53(C57BL/6) Mouse MALE	10 GAUSS	SHAM	CONTROL	10 GAUSS	SHAM	CONTROL
Disposition Summary						
Animals Initially In Study	10		10	20		20
Early Deaths						
Natural Death	1					
Survivors						
Terminal Sacrifice	9		10	20		20
Animals Examined Microscopically	10		10	20		20
ALIMENTARY SYSTEM						
Liver	(10)		(10)	(20)		(20)
Sarcoma	1 (10%)					
CARDIOVASCULAR SYSTEM						
None						
ENDOCRINE SYSTEM						
None						
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
None						
HEMATOPOIETIC SYSTEM						
Lymph Node, Mandibular	(10)		(10)	(20)		(20)
Lymph Node, Mesenteric	(8)		(9)	(18)		(18)
Spleen	(10)		(10)	(20)		(20)
Lymphoma Malignant			1 (10%)			
Thymus	(10)		(10)	(19)		(20)
INTEGUMENTARY SYSTEM						

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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P53(C57BL/6) Mouse MALE	10 GAUSS	SHAM CONTROL	10 GAUSS	SHAM CONTROL
None				
MUSCULOSKELETAL SYSTEM				
None				
NERVOUS SYSTEM				
None				
RESPIRATORY SYSTEM				
Lung	(10)	(10)	(20)	(20)
Sarcoma, Metastatic, Liver	1 (10%)			
SPECIAL SENSES SYSTEM				
None				
URINARY SYSTEM				
Kidney	(10)	(10)	(20)	(20)
SYSTEMIC LESIONS				
Multiple Organ	*(10)	*(10)	*(20)	*(20)
Lymphoma Malignant		1 (10%)		

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P53(C57BL/6) Mouse MALE	10 GAUSS	SHAM	CONTROL	10 GAUSS	SHAM	CONTROL
Tumor Summary for MALE						
Total Animals with Primary Neoplasms (b)	1		1			
Total Primary Neoplasms	1		1			
Total Animals with Benign Neoplasms						
Total Benign Neoplasms						
Total Animals with Malignant Neoplasms	1		1			
Total Malignant Neoplasms	1		1			
Total Animals with Metastatic Neoplasms	1					
Total Metastatic Neoplasms	1					
Total Animals with Malignant Neoplasms Uncertain Primary Site						
Total Animals with Neoplasms Uncertain - Benign or Malignant						
Total Uncertain Neoplasms						

END OF MALE DATA

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P53(C57BL/6) Mouse FEMALE	10 GAUSS	SHAM	CONTROL	10 GAUSS	SHAM	CONTROL
Disposition Summary						
Animals Initially In Study	9		9	21		21
Early Deaths						
Survivors						
Natural Death						1
Terminal Sacrifice	9		9	21		20
Animals Examined Microscopically	9		9	21		21
ALIMENTARY SYSTEM						
Liver	(9)		(9)	(21)		(21)
Lymphoma Malignant						1 (5%)
CARDIOVASCULAR SYSTEM						
None						
ENDOCRINE SYSTEM						
None						
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
None						
HEMATOPOIETIC SYSTEM						
Lymph Node, Mandibular	(9)		(9)	(20)		(20)
Hemangioma	1 (11%)					
Lymph Node, Mesenteric	(5)		(8)	(20)		(19)
Lymphoma Malignant						1 (5%)
Spleen	(9)		(9)	(21)		(21)
Lymphoma Malignant				1 (5%)		1 (5%)

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P53(C57BL/6) Mouse FEMALE	10 GAUSS	SHAM	CONTROL	10 GAUSS	SHAM	CONTROL
Thymus	(9)		(9)	(21)		(21)
Lymphoma Malignant	1 (11%)					1 (5%)
Thymoma Benign			1 (11%)			
INTEGUMENTARY SYSTEM						
None						
MUSCULOSKELETAL SYSTEM						
None						
NERVOUS SYSTEM						
None						
RESPIRATORY SYSTEM						
Lung	(9)		(9)	(21)		(21)
Lymphoma Malignant						1 (5%)
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						
Kidney	(9)		(9)	(21)		(21)
Lymphoma Malignant						1 (5%)
SYSTEMIC LESIONS						
Multiple Organ	*(9)		*(9)	*(21)		*(21)
Lymphoma Malignant	1 (11%)			1 (5%)		1 (5%)

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P53(C57BL/6) Mouse FEMALE	10 GAUSS	SHAM	CONTROL	10 GAUSS	SHAM	CONTROL
Tumor Summary for FEMALE						
Total Animals with Primary Neoplasms (b)	2		1	1		1
Total Primary Neoplasms	2		1	1		1
Total Animals with Benign Neoplasms	1		1			
Total Benign Neoplasms	1		1			
Total Animals with Malignant Neoplasms	1			1		1
Total Malignant Neoplasms	1			1		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 REPORT **

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b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically