

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

**P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a)**

**Test Compound:** Magnetic fields (EMF)

**CAS Number:** MAGNETIC

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

**Time Report Requested:** 19:54:59

**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
<b>Disposition Summary</b>						
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
<b>ALIMENTARY SYSTEM</b>						
Liver	(10)		(10)	(20)		(20)
Fatty Change	4 (40%)		6 (60%)	5 (25%)		6 (30%)
Inflammation, Chronic	1 (10%)		1 (10%)	1 (5%)		1 (5%)
<b>CARDIOVASCULAR SYSTEM</b>						
None						
<b>ENDOCRINE SYSTEM</b>						
None						
<b>GENERAL BODY SYSTEM</b>						
None						
<b>GENITAL SYSTEM</b>						
None						
<b>HEMATOPOIETIC SYSTEM</b>						
Lymph Node, Mandibular	(10)		(10)	(20)		(20)
Hyperplasia	2 (20%)		1 (10%)	3 (15%)		3 (15%)
Lymph Node, Mesenteric	(8)		(9)	(18)		(18)
Hemorrhage	1 (13%)					
Hyperplasia			2 (22%)	5 (28%)		7 (39%)
Spleen	(10)		(10)	(20)		(20)
Hematopoietic Cell Proliferation	1 (10%)		1 (10%)			

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

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P53(C57BL/6) Mouse MALE	10 GAUSS	SHAM	CONTROL	10 GAUSS	SHAM	CONTROL
Lymph Follic, Hyperplasia				1 (5%)		1 (5%)
Thymus	(10)		(10)	(19)		(20)
Cyst	3 (30%)		3 (30%)	4 (21%)		6 (30%)
Hyperplasia, Atypical				1 (5%)		
Hyperplasia, Focal				1 (5%)		
<b>INTEGUMENTARY SYSTEM</b>						
None						
<b>MUSCULOSKELETAL SYSTEM</b>						
None						
<b>NERVOUS SYSTEM</b>						
None						
<b>RESPIRATORY SYSTEM</b>						
Lung	(10)		(10)	(20)		(20)
Perivascular, Inflammation, Chronic						1 (5%)
<b>SPECIAL SENSES SYSTEM</b>						
None						
<b>URINARY SYSTEM</b>						
Kidney	(10)		(10)	(20)		(20)
Inflammation, Chronic	1 (10%)		2 (20%)	2 (10%)		2 (10%)

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

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P53(C57BL/6) Mouse FEMALE	10 GAUSS	SHAM	CONTROL	10 GAUSS	SHAM	CONTROL
<b>Disposition Summary</b>						
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
<b>ALIMENTARY SYSTEM</b>						
Liver	(9)		(9)	(21)		(21)
Inflammation, Chronic	2 (22%)		2 (22%)	6 (29%)		4 (19%)
Necrosis				1 (5%)		
<b>CARDIOVASCULAR SYSTEM</b>						
None						
<b>ENDOCRINE SYSTEM</b>						
None						
<b>GENERAL BODY SYSTEM</b>						
None						
<b>GENITAL SYSTEM</b>						
None						
<b>HEMATOPOIETIC SYSTEM</b>						
Lymph Node, Mandibular	(9)		(9)	(20)		(20)
Hyperplasia	5 (56%)		2 (22%)	4 (20%)		4 (20%)
Lymph Node, Mesenteric	(5)		(8)	(20)		(19)
Hyperplasia				5 (25%)		4 (21%)
Spleen	(9)		(9)	(21)		(21)
Hematopoietic Cell Proliferation	1 (11%)		1 (11%)	2 (10%)		4 (19%)
Hyperplasia, Histiocytic				1 (5%)		1 (5%)

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<b>P53(C57BL/6) Mouse FEMALE</b>	<b>10 GAUSS</b>	<b>SHAM</b>	<b>CONTROL</b>	<b>10 GAUSS</b>	<b>SHAM</b>	<b>CONTROL</b>
Lymph Follic, Hyperplasia	1 (11%)	2 (22%)		3 (14%)		2 (10%)
Thymus	(9)	(9)		(21)		(21)
Cyst		2 (22%)		6 (29%)		5 (24%)
Hyperplasia, Atypical	1 (11%)					
Hyperplasia, Focal	1 (11%)			1 (5%)		1 (5%)
<b>INTEGUMENTARY SYSTEM</b>						
None						
<b>MUSCULOSKELETAL SYSTEM</b>						
None						
<b>NERVOUS SYSTEM</b>						
None						
<b>RESPIRATORY SYSTEM</b>						
Lung	(9)	(9)		(21)		(21)
Interstitial, Inflammation, Chronic						1 (5%)
Perivascular, Inflammation, Chronic	4 (44%)	3 (33%)		8 (38%)		10 (48%)
<b>SPECIAL SENSES SYSTEM</b>						
None						
<b>URINARY SYSTEM</b>						
Kidney	(9)	(9)		(21)		(21)
Inflammation, Chronic	1 (11%)			1 (5%)		

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

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