

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

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
**Test Compound:** Magnetic fields (EMF)  
**CAS Number:** MAGNETIC

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 20:01:25  
**First Dose M/F:** NA / NA  
**Lab:** IIT

<b>C Number:</b>	C89029B
<b>Lock Date:</b>	01/03/1995
<b>Cage Range:</b>	All
<b>Date Range:</b>	All
<b>Reasons For Removal:</b>	All
<b>Removal Date Range:</b>	All
<b>Treatment Groups:</b>	All
<b>Study Gender:</b>	Both
<b>PWG Approval Date</b>	NONE

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

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Test Compound: Magnetic fields (EMF)  
 CAS Number: MAGNETIC

Date Report Requested: 10/20/2014  
 Time Report Requested: 20:01:25  
 First Dose M/F: NA / NA  
 Lab: IIT

P53(C57BL/6) Mouse Male 10 GAUSS	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	*TOTALS
	ANIMAL ID	1	1	1	1	1	1	1	1	1	1	
	6	6	6	6	3	6	6	6	6	6	6	
	3	3	3	3	9	3	3	3	3	3	3	
	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	3	3	3	
	3	3	3	3	3	3	3	3	3	3	4	
	1	2	3	4	5	6	7	8	9	0	0	

**Alimentary System**

Liver	+	+	+	+	+	+	+	+	+	+	10	
Fatty Change	2						2	1	2		4	1.8
Inflammation, Chronic		2									1	2.0

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	10	
Hyperplasia									1	2	2	1.5
Lymph Node, Mesenteric	+	+	+	+	+	+	M	+	M	+	8	
Hemorrhage					2						1	2.0
Spleen	+	+	+	+	+	+	+	+	+	+	10	
Hematopoietic Cell Proliferation					3						1	3.0

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Test Compound: Magnetic fields (EMF)  
 CAS Number: MAGNETIC

Date Report Requested: 10/20/2014  
 Time Report Requested: 20:01:25  
 First Dose M/F: NA / NA  
 Lab: IIT

P53(C57BL/6) Mouse Male 10 GAUSS	DAY ON TEST										*TOTALS
	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	
	6	6	6	6	3	6	6	6	6	6	
	3	3	3	3	9	3	3	3	3	3	
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	3	
	3	3	3	3	3	3	3	3	3	4	
	1	2	3	4	5	6	7	8	9	0	
Thymus	+	+	+	+	+	+	+	+	+	+	10
Cyst		1	1				1				3 1.0
<b>Integumentary System</b>											
NONE											
<b>Musculoskeletal System</b>											
NONE											
<b>Nervous System</b>											
NONE											
<b>Respiratory System</b>											
Lung	+	+	+	+	+	+	+	+	+	+	10
<b>Special Senses System</b>											
NONE											
<b>Urinary System</b>											
Kidney	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic	1										1 1.0

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Test Compound: Magnetic fields (EMF)  
 CAS Number: MAGNETIC

Date Report Requested: 10/20/2014  
 Time Report Requested: 20:01:25  
 First Dose M/F: NA / NA  
 Lab: IIT

		DAY ON TEST										
<b>P53(C57BL/6) Mouse Male</b>		0	0	0	0	0	0	0	0	0	0	
		1	1	1	1	1	1	1	1	1	1	
		6	6	6	6	6	6	6	6	6	6	
	<b>SHAM CONTROL</b>	3	3	3	3	3	3	3	3	3	3	
	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	3		
	0	0	0	0	0	0	0	0	0	1		
	1	2	3	4	5	6	7	8	9	0	<b>*TOTALS</b>	

**Alimentary System**

Liver	+	+	+	+	+	+	+	+	+	+	10	
Fatty Change	3		2	1			1	2		3	6	2.0
Inflammation, Chronic		1									1	1.0

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	10	
Hyperplasia			1								1	1.0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	M	9	
Hyperplasia			1	2							2	1.5
Spleen	+	+	+	+	+	+	+	+	+	+	10	
Hematopoietic Cell Proliferation						1					1	1.0

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Test Compound: Magnetic fields (EMF)  
 CAS Number: MAGNETIC

Date Report Requested: 10/20/2014  
 Time Report Requested: 20:01:25  
 First Dose M/F: NA / NA  
 Lab: IIT

P53(C57BL/6) Mouse Male SHAM CONTROL	DAY ON TEST										*TOTALS	
	0	0	0	0	0	0	0	0	0	0		
ANIMAL ID	1	1	1	1	1	1	1	1	1	1		
	6	6	6	6	6	6	6	6	6	6		
	3	3	3	3	3	3	3	3	3	3		
	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	1		
	1	2	3	4	5	6	7	8	9	0		
Thymus	+	+	+	+	+	+	+	+	+	+	10	
Cyst				1		1		1			3	1.0
<b>Integumentary System</b>												
NONE												
<b>Musculoskeletal System</b>												
NONE												
<b>Nervous System</b>												
NONE												
<b>Respiratory System</b>												
Lung	+	+	+	+	+	+	+	+	+	+	10	
<b>Special Senses System</b>												
NONE												
<b>Urinary System</b>												
Kidney	+	+	+	+	+	+	+	+	+	+	10	
Inflammation, Chronic			1				1				2	1.0

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Test Compound: Magnetic fields (EMF)  
 CAS Number: MAGNETIC

Date Report Requested: 10/20/2014  
 Time Report Requested: 20:01:25  
 First Dose M/F: NA / NA  
 Lab: IIT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>P53(C57BL/6) Mouse Male</b>	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
<b>10 GAUSS</b>	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
<b>ANIMAL ID</b>	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	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	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0
																				<b>*TOTALS</b>

**Alimentary System**

Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	20	
Fatty Change		1				3							1			3	1				5	1.8
Inflammation, Chronic													1								1	1.0

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	20	
Hyperplasia		1												2		1					3	1.3
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	M	+	+		18	
Hyperplasia					2	2		1	1					1							5	1.4
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	20	
Lymph Follic, Hyperplasia								1													1	1.0

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + ..Tissue examined microscopically  
 X ..Lesion present  
 I ..Insufficient tissue  
 M ..Missing tissue  
 A ..Autolysis precludes evaluation  
 BLANK ..Not examined microscopically  
 1-4 ..Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

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

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Test Compound: Magnetic fields (EMF)  
 CAS Number: MAGNETIC

Date Report Requested: 10/20/2014  
 Time Report Requested: 20:01:26  
 First Dose M/F: NA / NA  
 Lab: IIT

P53(C57BL/6) Mouse Male 10 GAUSS	DAY ON TEST																				*TOTALS	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
ANIMAL ID	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6		
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		
	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	0	0	0	0	0	0	0	0		
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		
	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	6		
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0		
Thymus	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	19		
Cyst									1	1			2							4	1.3	
Hyperplasia, Atypical														3						1	3.0	
Hyperplasia, Focal									2											1	2.0	
<b>Integumentary System</b>																						
NONE																						
<b>Musculoskeletal System</b>																						
NONE																						
<b>Nervous System</b>																						
NONE																						
<b>Respiratory System</b>																						
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	20	
<b>Special Senses System</b>																						
NONE																						
<b>Urinary System</b>																						
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	20	
Inflammation, Chronic														1	1						2	1.0

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + ..Tissue examined microscopically  
 X ..Lesion present  
 I ..Insufficient tissue  
 M ..Missing tissue  
 A ..Autolysis precludes evaluation  
 BLANK ..Not examined microscopically  
 1-4 ..Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

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

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Test Compound: Magnetic fields (EMF)  
 CAS Number: MAGNETIC

Date Report Requested: 10/20/2014  
 Time Report Requested: 20:01:26  
 First Dose M/F: NA / NA  
 Lab: IIT

DAY ON TEST		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>P53(C57BL/6) Mouse Male</b>		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	<b>SHAM CONTROL</b>	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	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	0	0	0	0	0	0	0	0
		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
		1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9
<b>*TOTALS</b>																				

**Alimentary System**

Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	20
Fatty Change					2						2	1		2	1		2			6 1.7
Inflammation, Chronic				1																1 1.0

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	20
Hyperplasia				1						1								1		3 1.0
Lymph Node, Mesenteric	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	M	18
Hyperplasia	1	2	2						1					1			2	2		7 1.6
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	20
Lymph Follic, Hyperplasia				3																1 3.0

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + ..Tissue examined microscopically  
 X ..Lesion present  
 I ..Insufficient tissue  
 M ..Missing tissue  
 A ..Autolysis precludes evaluation  
 BLANK ..Not examined microscopically  
 1-4 ..Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked



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

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Test Compound: Magnetic fields (EMF)  
 CAS Number: MAGNETIC

Date Report Requested: 10/20/2014  
 Time Report Requested: 20:01:26  
 First Dose M/F: NA / NA  
 Lab: IIT

	DAY ON TEST																					
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
P53(C57BL/6) Mouse Male	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
SHAM CONTROL	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6		
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	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	0	0	0	0	0	0	0	0	0	0		
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		
	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3		
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	*TOTALS	
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	20	
Cyst								1	1		1			1		1		1			6	1.0
<b>Integumentary System</b>																						
NONE																						
<b>Musculoskeletal System</b>																						
NONE																						
<b>Nervous System</b>																						
NONE																						
<b>Respiratory System</b>																						
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	20	
Perivascular, Inflammation, Chronic	2																				1	2.0
<b>Special Senses System</b>																						
NONE																						
<b>Urinary System</b>																						
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	20	
Inflammation, Chronic													1		1						2	1.0

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

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + ..Tissue examined microscopically  
 X ..Lesion present  
 I ..Insufficient tissue  
 M ..Missing tissue  
 A ..Autolysis precludes evaluation  
 BLANK ..Not examined microscopically  
 1-4 ..Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

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

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Test Compound: Magnetic fields (EMF)  
 CAS Number: MAGNETIC

Date Report Requested: 10/20/2014  
 Time Report Requested: 20:01:26  
 First Dose M/F: NA / NA  
 Lab: IIT

P53(C57BL/6) Mouse Female 10 GAUSS	DAY ON TEST									ANIMAL ID	
	0	0	0	0	0	0	0	0	0		
	1	1	1	1	1	1	1	1	1	0	
	6	6	6	6	6	6	6	6	6	0	
	2	2	2	2	2	2	2	2	2	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	3	0	
	9	9	9	9	9	9	9	9	9	0	
	1	2	3	4	5	6	7	8	9	0	
											<b>*TOTALS</b>

**Alimentary System**

Liver	+	+	+	+	+	+	+	+	+	9	
Inflammation, Chronic			2	3							2 2.5

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	9	
Hyperplasia			4	2	3	2			2		5 2.6
Lymph Node, Mesenteric	M	M	M	+	+	+	+	M	+	5	
Spleen	+	+	+	+	+	+	+	+	+	9	
Hematopoietic Cell Proliferation							1				1 1.0
Lymph Follic, Hyperplasia					1						1 1.0
Thymus	+	+	+	+	+	+	+	+	+	9	

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Test Compound: Magnetic fields (EMF)  
 CAS Number: MAGNETIC

Date Report Requested: 10/20/2014  
 Time Report Requested: 20:01:26  
 First Dose M/F: NA / NA  
 Lab: IIT

P53(C57BL/6) Mouse Female 10 GAUSS	DAY ON TEST									ANIMAL ID				
	0	0	0	0	0	0	0	0	0					
	1	1	1	1	1	1	1	1	1	0				
	6	6	6	6	6	6	6	6	6	0				
	2	2	2	2	2	2	2	2	2	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	3	0				
	9	9	9	9	9	9	9	9	9	0				
	1	2	3	4	5	6	7	8	9					
												<b>*TOTALS</b>		
Hyperplasia, Atypical												2	1	2.0
Hyperplasia, Focal												2	1	2.0
<b>Integumentary System</b>														
NONE														
<b>Musculoskeletal System</b>														
NONE														
<b>Nervous System</b>														
NONE														
<b>Respiratory System</b>														
Lung	+	+	+	+	+	+	+	+	+	+		9		
Perivascular, Inflammation, Chronic		2		1					2	2			4	1.8
<b>Special Senses System</b>														
NONE														
<b>Urinary System</b>														
Kidney	+	+	+	+	+	+	+	+	+	+		9		
Inflammation, Chronic			1										1	1.0

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + ..Tissue examined microscopically  
 X ..Lesion present  
 I ..Insufficient tissue  
 M ..Missing tissue  
 A ..Autolysis precludes evaluation  
 BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

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

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Test Compound: Magnetic fields (EMF)  
 CAS Number: MAGNETIC

Date Report Requested: 10/20/2014  
 Time Report Requested: 20:01:26  
 First Dose M/F: NA / NA  
 Lab: IIT

DAY ON TEST		0	0	0	0	0	0	0	0	0
<b>P53(C57BL/6) Mouse Female</b>		1	1	1	1	1	1	1	1	1
		6	6	6	6	6	6	6	6	6
	<b>SHAM CONTROL</b>	2	2	2	2	2	2	2	2	2
ANIMAL ID		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
		6	6	6	6	6	6	6	6	6
		1	2	3	4	5	6	7	8	9
<b>*TOTALS</b>										

**Alimentary System**

Liver	+	+	+	+	+	+	+	+	+	9
Inflammation, Chronic							1	4		2 2.5

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	9
Hyperplasia			3						1	2 2.0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	M	+	8
Spleen	+	+	+	+	+	+	+	+	+	9
Hematopoietic Cell Proliferation				1						1 1.0
Lymph Follic, Hyperplasia	1	2								2 1.5
Thymus	+	+	+	+	+	+	+	+	+	9

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Test Compound: Magnetic fields (EMF)  
 CAS Number: MAGNETIC

Date Report Requested: 10/20/2014  
 Time Report Requested: 20:01:26  
 First Dose M/F: NA / NA  
 Lab: IIT

		DAY ON TEST										
		0	0	0	0	0	0	0	0	0		
<b>P53(C57BL/6) Mouse Female</b>		1	1	1	1	1	1	1	1	1		
		6	6	6	6	6	6	6	6	6		
	<b>SHAM CONTROL</b>	2	2	2	2	2	2	2	2	2		
		0	0	0	0	0	0	0	0	0		
	ANIMAL ID	0	0	0	0	0	0	0	0	0		
		3	3	3	3	3	3	3	3	3		
		6	6	6	6	6	6	6	6	6		
		1	2	3	4	5	6	7	8	9	<b>*TOTALS</b>	
Cyst					1	1					2	1.0
<b>Integumentary System</b>												
NONE												
<b>Musculoskeletal System</b>												
NONE												
<b>Nervous System</b>												
NONE												
<b>Respiratory System</b>												
Lung		+	+	+	+	+	+	+	+	+	9	
Perivascular, Inflammation, Chronic			2			2	3				3	2.3
<b>Special Senses System</b>												
NONE												
<b>Urinary System</b>												
Kidney		+	+	+	+	+	+	+	+	+	9	

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + ..Tissue examined microscopically  
 X ..Lesion present  
 I ..Insufficient tissue  
 M ..Missing tissue  
 A ..Autolysis precludes evaluation  
 BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

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

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Test Compound: Magnetic fields (EMF)  
 CAS Number: MAGNETIC

Date Report Requested: 10/20/2014  
 Time Report Requested: 20:01:26  
 First Dose M/F: NA / NA  
 Lab: IIT

DAY ON TEST		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>P53(C57BL/6) Mouse Female</b> <b>10 GAUSS</b>		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
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	0	0	0	0	0	0	0	0
		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
		0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2
		0	1	2	3	4	5	6	7	8	9	0	1	1	2	3	4	5	6	7	8
																					<b>*TOTALS</b>

**Alimentary System**

Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Inflammation, Chronic	2					1	2							3				2		3	6 2.2
Necrosis																	1				1 1.0

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

Lymph Node, Mandibular	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	20	
Hyperplasia						2						3								2	1	4 2.0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	20	
Hyperplasia	2						2		1										1	1	5 1.4	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	
Hematopoietic Cell Proliferation										1										1	2 1.0	

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + ..Tissue examined microscopically  
 X ..Lesion present  
 I ..Insufficient tissue  
 M ..Missing tissue  
 A ..Autolysis precludes evaluation  
 BLANK ..Not examined microscopically  
 1-4 ..Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

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

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Test Compound: Magnetic fields (EMF)  
 CAS Number: MAGNETIC

Date Report Requested: 10/20/2014  
 Time Report Requested: 20:01:26  
 First Dose M/F: NA / NA  
 Lab: IIT

		DAY ON TEST																													
		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	1	1									
		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6									
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2									
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	0	0	0	0	0	0	0	0	0	0									
		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4									
		0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1									
		0	1	2	3	4	5	6	7	8	9	0	1	1	2	3	4	5	6	7	8	9									
																						<b>*TOTALS</b>									
Hyperplasia, Histiocytic																						2	1	2.0							
Lymph Follic, Hyperplasia																							2	1	3	1.7					
Thymus		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21									
Cyst			1				1			1					1	1					1	6	1.0								
Hyperplasia, Focal																						2	1	2.0							
<b>Integumentary System</b>																															
NONE																															
<b>Musculoskeletal System</b>																															
NONE																															
<b>Nervous System</b>																															
NONE																															
<b>Respiratory System</b>																															
Lung		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21									
Perivascular, Inflammation, Chronic																						1	2	3	1	1	3	1	1	8	1.6
<b>Special Senses System</b>																															
NONE																															
<b>Urinary System</b>																															
Kidney		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21									
Inflammation, Chronic																						2	1	2.0							

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + ..Tissue examined microscopically  
 X ..Lesion present  
 I ..Insufficient tissue  
 M ..Missing tissue  
 A ..Autolysis precludes evaluation  
 BLANK ..Not examined microscopically  
 1-4 ..Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

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

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Test Compound: Magnetic fields (EMF)  
 CAS Number: MAGNETIC

Date Report Requested: 10/20/2014  
 Time Report Requested: 20:01:26  
 First Dose M/F: NA / NA  
 Lab: IIT

DAY ON TEST		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>P53(C57BL/6) Mouse Female</b>		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	6	6	6	6	6
	<b>SHAM CONTROL</b>	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	2	2	2	2	2
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	0	0	0	0	0	0	0	0
		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
		7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	9
		0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9
<b>*TOTALS</b>																					

**Alimentary System**

Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	
Inflammation, Chronic			1		2			1										3			4	1.8

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	20	
Hyperplasia	2				2				4											2	4	2.5
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	M	+	M	+	+	+	+	+	+	+	19	
Hyperplasia	1					1	2													1	4	1.3
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	
Hematopoietic Cell Proliferation			1			2					1						1				4	1.3
Hyperplasia, Histiocytic																			3		1	3.0

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked



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

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Test Compound: Magnetic fields (EMF)  
 CAS Number: MAGNETIC

Date Report Requested: 10/20/2014  
 Time Report Requested: 20:01:27  
 First Dose M/F: NA / NA  
 Lab: IIT

	DAY ON TEST																					
P53(C57BL/6) Mouse Female	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
SHAM CONTROL	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	6	6	6	6	6		
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	2	2	2	2	2		
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	0	0	0	0	0	0	0	0		
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		
	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	9		
	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9		
																					<b>*TOTALS</b>	
Lymph Follic, Hyperplasia	2			2																	2	2.0
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	
Cyst					1				1			1						1	1		5	1.0
Hyperplasia, Focal																		1			1	1.0
<b>Integumentary System</b>																						
NONE																						
<b>Musculoskeletal System</b>																						
NONE																						
<b>Nervous System</b>																						
NONE																						
<b>Respiratory System</b>																						
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	
Interstitium, Inflammation, Chronic									1												1	1.0
Perivascular, Inflammation, Chronic	3		1	3					2	1	1		2	1				3	1		10	1.8
<b>Special Senses System</b>																						
NONE																						
<b>Urinary System</b>																						
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	

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

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + ..Tissue examined microscopically  
 X ..Lesion present  
 I ..Insufficient tissue  
 M ..Missing tissue  
 A ..Autolysis precludes evaluation  
 BLANK ..Not examined microscopically  
 1-4 ..Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked