

Experiment Number: 89029-03
Test Type: 150-DAY
Route: MAGNETIC FIELDS
Species/Strain: Mouse/PIM

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: Magnetic fields (EMF)
CAS Number: MAGNETIC

Date Report Requested: 10/20/2014
Time Report Requested: 19:46:22
First Dose M/F: NA / NA
Lab: IIT

C Number:	C89029B
Lock Date:	01/05/1995
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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 Lab: IIT

**PIM Mouse Male
 10 GAUSS**

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

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	19
Lymphoma Malignant				X										X						2

Cardiovascular System

NONE																				19
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Endocrine System

NONE																				19
------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	----

General Body System

NONE																				19
------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	----

Genital System

NONE																				19
------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	----

Hematopoietic System

Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	19
Lymphoma Malignant				X										X						2
Lymph Node, Mesenteric	M	+	+	+	M	+	M	+	M	+	+	+	+	+	+	+	M	+	M	13
Lymphoma Malignant				X										X			X			3
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	19
Lymphoma Malignant				X										X						2
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	19

* ..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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**PIM Mouse Male
 10 GAUSS**

DAY ON TEST	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	0	1	1	1	0	1
	6	6	6	0	6	6	6	6	6	6	6	6	6	9	6	6	6	6	6
	3	3	3	3	3	3	3	3	3	3	3	3	3	1	3	3	3	4	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
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9
	*TOTALS																		
Lymphoma Malignant																			3

Lymphoma Malignant
Integumentary System

X X X

NONE
Musculoskeletal System

NONE
Nervous System

NONE
Respiratory System

Lung + + + + + + + + + + + + + + + + + + 19
 Alveolar/Bronchiolar Adenoma X X 1
 Lymphoma Malignant X X 3

Special Senses System

NONE
Urinary System

Kidney + + + + + + + + + + + + + + + + + + 19
 Lymphoma Malignant X X 2

SYSTEMIC LESIONS

Multiple Organ + + + + + + + + + + + + + + + + + + 19
 Lymphoma Malignant X X 3

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 10 GAUSSINTER**

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

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	19
Lymphoma Malignant		X				X			X		X	X		X	X			X	X	9

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	19
Lymphoma Malignant						X					X	X		X	X			X	X	7
Lymph Node, Mesenteric	M	+	+	+	+	+	+	M	+	+	+	+	+	M	+	+	+	+	+	16
Lymphoma Malignant						X						X			X			X	X	5
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	19
Lymphoma Malignant		X				X			X		X	X		X	X			X	X	9
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	19

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PIM Mouse Male
10 GAUSSINTER

	DAY ON TEST																		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	0	1	1	1	1	1	0	1	1	0	1	1	0	
	1	2	6	6	6	3	6	2	2	6	5	7	6	1	8	6	6	9	
	1	5	3	3	3	4	3	1	7	3	4	8	3	1	1	3	3	1	
	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	0	0	0	1	1	1	1	1	1	1	1	1	
	9	9	9	9	9	9	9	9	9	0	0	0	0	0	0	0	0	0	
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	
	*TOTALS																		
Lymphoma Malignant	X	X				X		X	X		X	X		X	X		X	X	
Integumentary System																			
NONE																			
Musculoskeletal System																			
NONE																			
Nervous System																			
NONE																			
Respiratory System																			
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lymphoma Malignant	X	X				X		X	X		X	X		X	X		X	X	
Special Senses System																			
NONE																			
Urinary System																			
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lymphoma Malignant	X	X				X		X	X		X	X		X	X		X	X	
SYSTEMIC LESIONS																			
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lymphoma Malignant	X	X				X		X	X		X	X		X	X		X	X	

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 Lab: IIT

PIM Mouse Male
2 GAUSS

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

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	19
Lymphoma Malignant				X	X			X							X			X		5

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	19
Lymphoma Malignant				X	X			X							X			X		5
Lymph Node, Mesenteric	M	+	+	+	+	+	+	+	+	+	M	M	+	+	+	+	M	+		15
Lymphoma Malignant				X	X			X							X			X		5
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	19
Lymphoma Malignant				X	X			X							X			X		5
Thymus	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	18

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 First Dose M/F: NA / NA
 Lab: IIT

PIM Mouse Male
0.02 GAUSS

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

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	19
Lymphoma Malignant			X		X				X				X		X					5

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

Lymph Node, Mandibular	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	18
Lymphoma Malignant			X		X			X	X				X		X					6
Lymph Node, Mesenteric	M	M	+	+	+	+	M	M	+	+	+	+	+	+	M	M	+	+	+	13
Lymphoma Malignant			X		X				X				X							4
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	19
Lymphoma Malignant			X		X				X				X		X					5
Thymus	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	18

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First Dose M/F: NA / NA

Lab: IIT

PIM Mouse Male
0.02 GAUSS

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	0	1	1	1	1	0	1	1	1	1	0	1	1	1	1	1	1
	6	6	9	6	2	6	6	8	0	6	4	6	9	6	6	6	6	6	6
	3	3	8	3	2	3	3	2	0	3	1	3	4	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	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	4	4	4	4	4	4	4	4	4	4	4
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9
	*TOTALS																		
Lymphoma Malignant		X	X	X	X			X	X			X	X						
Integumentary System																			
NONE																			
Musculoskeletal System																			
NONE																			
Nervous System																			
NONE																			
Respiratory System																			
Lung		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant		X	X		X			X	X			X	X						
Special Senses System																			
NONE																			
Urinary System																			
Kidney		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant		X	X		X			X				X	X						
SYSTEMIC LESIONS																			
Multiple Organ		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant		X	X	X	X			X	X			X	X						

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PIM Mouse Male
SHAM CONTROL

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

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	19
Hepatocellular Carcinoma																X				1
Lymphoma Malignant	X			X		X	X				X	X						X	X	8

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	19
Lymphoma Malignant	X			X		X	X				X	X						X	X	8
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	18
Lymphoma Malignant	X			X		X	X				X	X						X	X	8
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	19
Lymphoma Malignant	X			X		X	X				X	X						X	X	8

* ..Total animals with tissue examined microscopically; Total animals with tumor
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DAY ON TEST	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	0	1	1	1	0	0	1	1	1	1	1	0	0	
ANIMAL ID	3	6	6	2	6	5	7	2	6	6	7	8	5	6	6	6	6	9	8	
	8	3	3	0	3	7	9	4	3	3	2	2	4	3	3	3	3	0	2	
	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	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	2	3	4	5	6	7	8	9	0	1	1	2	3	4	5	6	7	8	9
	*TOTALS																			
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	19
Lymphoma Malignant	X			X		X	X	X			X	X					X	X	X	10
Integumentary System																				
NONE																				
Musculoskeletal System																				
NONE																				
Nervous System																				
NONE																				
Respiratory System																				
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	19
Carcinoma, Metastatic, Liver																X				1
Lymphoma Malignant	X			X		X	X	X			X	X						X	X	9
Special Senses System																				
NONE																				
Urinary System																				
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	19
Lymphoma Malignant	X			X		X	X	X			X	X						X	X	9
SYSTEMIC LESIONS																				
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	19

* ..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: 89029-03
 Test Type: 150-DAY
 Route: MAGNETIC FIELDS
 Species/Strain: Mouse/PIM

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Magnetic fields (EMF)
 CAS Number: MAGNETIC

Date Report Requested: 10/20/2014
 Time Report Requested: 19:46:23
 First Dose M/F: NA / NA
 Lab: IIT

PIM Mouse Male
10 GAUSS

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

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	+	11
Lymphoma Malignant		X				X		X		X		4

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	11
Lymphoma Malignant		X						X		X		3
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	11
Lymphoma Malignant		X						X		X		3
Spleen	+	+	+	+	+	+	+	+	+	+	+	11
Lymphoma Malignant		X				X		X		X		4
Thymus	+	+	+	+	+	+	+	+	+	+	+	11

* ..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: 89029-03

Test Type: 150-DAY

Route: MAGNETIC FIELDS

Species/Strain: Mouse/PIM

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Magnetic fields (EMF)

CAS Number: MAGNETIC

Date Report Requested: 10/20/2014

Time Report Requested: 19:46:23

First Dose M/F: NA / NA

Lab: IIT

PIM Mouse Male
10 GAUSS

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	0	1	
	6	0	6	6	6	0	6	5	6	7	6	
	3	6	3	3	3	7	3	4	3	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	
	1	1	1	1	1	1	1	1	1	1	1	
	4	4	4	4	4	4	4	4	4	4	5	
	0	1	2	3	4	5	6	7	8	9	0	
												*TOTALS
Lymphoma Malignant		X				X		X		X		4

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

Lung	+	+	+	+	+	+	+	+	+	+	+	11
Lymphoma Malignant		X				X		X		X		4

Special Senses System

NONE

Urinary System

Kidney	+	+	+	+	+	+	+	+	+	+	+	11
Lymphoma Malignant		X				X		X		X		4

SYSTEMIC LESIONS

Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	11
Lymphoma Malignant		X				X		X		X		4

* ..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: 89029-03
 Test Type: 150-DAY
 Route: MAGNETIC FIELDS
 Species/Strain: Mouse/PIM

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Magnetic fields (EMF)
 CAS Number: MAGNETIC

Date Report Requested: 10/20/2014
 Time Report Requested: 19:46:23
 First Dose M/F: NA / NA
 Lab: IIT

PIM Mouse Male
10 GAUSSINTER

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

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	+	11
Lymphoma Malignant	X	X			X	X	X					5

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

Lymph Node, Mandibular	M	+	+	+	+	+	+	+	+	+	+	10
Lymphoma Malignant		X			X	X	X					4
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	M	+	+	10
Lymphoma Malignant	X	X			X	X	X					5
Spleen	+	+	+	+	+	+	+	+	+	+	+	11
Lymphoma Malignant	X	X	X		X	X	X					6
Thymus	+	+	+	+	+	+	+	+	+	+	+	11

* ..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: 89029-03

Test Type: 150-DAY

Route: MAGNETIC FIELDS

Species/Strain: Mouse/PIM

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Magnetic fields (EMF)

CAS Number: MAGNETIC

Date Report Requested: 10/20/2014

Time Report Requested: 19:46:24

First Dose M/F: NA / NA

Lab: IIT

PIM Mouse Male
10 GAUSSINTER

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	
	0	1	1	1	1	1	0	1	1	1	1	
	8	0	6	6	1	5	8	6	6	6	6	
	4	1	3	3	4	4	5	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	
	1	1	1	1	1	1	1	1	1	1	1	
	1	1	1	1	1	1	1	1	1	1	2	
	0	1	2	3	4	5	6	7	8	9	0	*TOTALS
Lymphoma Malignant	X	X	X		X	X	X					6

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

Lung

+ + + + + + + + + + 11

Lymphoma Malignant

X X X X X X 6

Special Senses System

NONE

Urinary System

Kidney

+ + + + + + + + + + 11

Lymphoma Malignant

X X X X X 5

SYSTEMIC LESIONS

Multiple Organ

+ + + + + + + + + + 11

Lymphoma Malignant

X X X X X 6

* ..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: 89029-03
 Test Type: 150-DAY
 Route: MAGNETIC FIELDS
 Species/Strain: Mouse/PIM

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Magnetic fields (EMF)
 CAS Number: MAGNETIC

Date Report Requested: 10/20/2014
 Time Report Requested: 19:46:24
 First Dose M/F: NA / NA
 Lab: IIT

PIM Mouse Male
2 GAUSS

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-------------|----------------|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 1 |
| | 9 | 6 | 9 | 9 | 6 | 6 | 6 | 6 | 6 | 8 | 0 |
| | 9 | 3 | 5 | 0 | 3 | 6 | 3 | 3 | 3 | 4 | 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 | 0 |
| | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 |
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | *TOTALS | | | | | | | | | | |

Alimentary System

| | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|----|
| Liver | + | + | + | + | + | + | + | + | + | + | + | 11 |
| Lymphoma Malignant | X | | X | X | | X | | | | X | X | 6 |

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

| | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|----|
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | 11 |
| Lymphoma Malignant | X | | X | X | | X | | | | X | X | 6 |
| Lymph Node, Mesenteric | + | + | + | + | M | + | + | + | + | + | + | 10 |
| Lymphoma Malignant | X | | X | X | | X | | | | X | X | 6 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | 11 |
| Lymphoma Malignant | X | | X | X | | X | | | | X | X | 6 |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | 11 |

* ..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: 89029-03
 Test Type: 150-DAY
 Route: MAGNETIC FIELDS
 Species/Strain: Mouse/PIM

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Magnetic fields (EMF)
 CAS Number: MAGNETIC

Date Report Requested: 10/20/2014
 Time Report Requested: 19:46:24
 First Dose M/F: NA / NA
 Lab: IIT

PIM Mouse Male
2 GAUSS

| | DAY ON TEST | | | | | | | | | | | |
|-------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|----------------|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | |
| | 9 | 6 | 9 | 9 | 6 | 6 | 6 | 6 | 6 | 8 | 0 | |
| | 9 | 3 | 5 | 0 | 3 | 6 | 3 | 3 | 3 | 4 | 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 | 0 | |
| | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | |
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | *TOTALS |
| Lymphoma Malignant | X | | X | X | | X | | | | X | X | 6 |
| Integumentary System | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | |
| Musculoskeletal System | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | |
| Nervous System | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | |
| Respiratory System | | | | | | | | | | | | |
| Lung | | + | + | + | + | + | + | + | + | + | + | 11 |
| Lymphoma Malignant | X | | X | X | | X | | | | X | X | 6 |
| Special Senses System | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | |
| Urinary System | | | | | | | | | | | | |
| Kidney | | + | + | + | + | + | + | + | + | + | + | 11 |
| Lymphoma Malignant | X | | X | X | | X | | | | X | X | 6 |
| SYSTEMIC LESIONS | | | | | | | | | | | | |
| Multiple Organ | | + | + | + | + | + | + | + | + | + | + | 11 |
| Lymphoma Malignant | X | | X | X | | X | | | | X | X | 6 |

* ..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: 89029-03
 Test Type: 150-DAY
 Route: MAGNETIC FIELDS
 Species/Strain: Mouse/PIM

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Magnetic fields (EMF)
 CAS Number: MAGNETIC

Date Report Requested: 10/20/2014
 Time Report Requested: 19:46:24
 First Dose M/F: NA / NA
 Lab: IIT

PIM Mouse Male
0.02 GAUSS

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-------------|----------------|---|---|---|---|---|---|---|---|---|---|
| | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 |
| | 6 | 6 | 9 | 9 | 6 | 2 | 1 | 1 | 9 | 6 | 6 |
| | 3 | 3 | 4 | 1 | 3 | 6 | 8 | 2 | 8 | 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 |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 |
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | *TOTALS | | | | | | | | | | |

Alimentary System

| | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|----|
| Liver | + | + | + | + | + | + | + | + | + | + | + | 11 |
| Lymphoma Malignant | | | | X | | X | X | X | X | | | 5 |

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

| | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|----|
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | 11 |
| Lymphoma Malignant | | | | X | | X | X | X | X | | | 5 |
| Lymph Node, Mesenteric | + | + | M | + | + | + | + | + | + | + | M | 9 |
| Lymphoma Malignant | | | | X | | X | X | X | X | | | 5 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | 11 |
| Lymphoma Malignant | | | | X | | X | X | X | X | | | 5 |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | 11 |

* ..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: 89029-03
 Test Type: 150-DAY
 Route: MAGNETIC FIELDS
 Species/Strain: Mouse/PIM

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Magnetic fields (EMF)
 CAS Number: MAGNETIC

Date Report Requested: 10/20/2014
 Time Report Requested: 19:46:24
 First Dose M/F: NA / NA
 Lab: IIT

PIM Mouse Male
0.02 GAUSS

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-------------------------------|----------------|---|---|---|---|---|---|---|---|---|---|----|
| | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | |
| | 6 | 6 | 9 | 9 | 6 | 2 | 1 | 1 | 9 | 6 | 6 | |
| | 3 | 3 | 4 | 1 | 3 | 6 | 8 | 2 | 8 | 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 | |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | |
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | |
| | *TOTALS | | | | | | | | | | | |
| Lymphoma Malignant | | | X | X | | X | X | X | X | | | 6 |
| Integumentary System | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | |
| Musculoskeletal System | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | |
| Nervous System | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | |
| Respiratory System | | | | | | | | | | | | |
| Lung | | + | + | + | + | + | + | + | + | + | + | 11 |
| Lymphoma Malignant | | | | X | X | | X | X | X | | | 5 |
| Special Senses System | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | |
| Urinary System | | | | | | | | | | | | |
| Kidney | | + | + | + | + | + | + | + | + | + | + | 11 |
| Lymphoma Malignant | | | | | X | | X | X | X | X | | 5 |
| SYSTEMIC LESIONS | | | | | | | | | | | | |
| Multiple Organ | | + | + | + | + | + | + | + | + | + | + | 11 |
| Lymphoma Malignant | | | | X | X | | X | X | X | X | | 6 |

* ..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: 89029-03
 Test Type: 150-DAY
 Route: MAGNETIC FIELDS
 Species/Strain: Mouse/PIM

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Magnetic fields (EMF)
 CAS Number: MAGNETIC

Date Report Requested: 10/20/2014
 Time Report Requested: 19:46:24
 First Dose M/F: NA / NA
 Lab: IIT

**PIM Mouse Male
 SHAM CONTROL**

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-------------|----------------|---|---|---|---|---|---|---|---|---|---|
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 1 | 6 | 0 | 6 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 5 | 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 |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | *TOTALS | | | | | | | | | | |

Alimentary System

| | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|----|
| Liver | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Lymphoma Malignant | | | | | X | | | X | | X | | 3 |

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

| | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|----|
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Lymphoma Malignant | X | | | | X | | | X | | X | | 4 |
| Lymph Node, Mesenteric | + | + | + | + | + | + | M | + | + | + | + | 9 |
| Lymphoma Malignant | | | | | X | | | X | | X | | 3 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Lymphoma Malignant | | | | | X | | | X | | X | | 3 |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | 10 |

* ..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: 89029-03
 Test Type: 150-DAY
 Route: MAGNETIC FIELDS
 Species/Strain: Mouse/PIM

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Magnetic fields (EMF)
 CAS Number: MAGNETIC

Date Report Requested: 10/20/2014
 Time Report Requested: 19:46:24
 First Dose M/F: NA / NA
 Lab: IIT

**PIM Mouse Female
 10 GAUSS**

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

Alimentary System

| | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 19 |
| Lymphoma Malignant | X | X | | | X | | | X | X | X | X | X | | X | X | | | | | 10 |

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

| | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 19 |
| Lymphoma Malignant | X | X | | | X | | | X | X | X | X | X | | X | X | | | | | 10 |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 19 |
| Lymphoma Malignant | X | X | | | X | | | X | X | X | X | X | | X | X | | | | | 10 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 19 |
| Lymphoma Malignant | X | X | | | X | | | X | X | X | X | X | | X | X | | | | | 10 |
| Thymus | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | 18 |

* ..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: 89029-03
 Test Type: 150-DAY
 Route: MAGNETIC FIELDS
 Species/Strain: Mouse/PIM

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Magnetic fields (EMF)
 CAS Number: MAGNETIC

Date Report Requested: 10/20/2014
 Time Report Requested: 19:46:24
 First Dose M/F: NA / NA
 Lab: IIT

**PIM Mouse Female
 10 GAUSS**

| 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 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 |
| | 8 | 9 | 6 | 6 | 2 | 6 | 6 | 9 | 2 | 9 | 1 | 9 | 6 | 4 | 7 | 6 | 6 | 6 | 6 |
| | 9 | 7 | 2 | 2 | 1 | 2 | 2 | 6 | 4 | 6 | 1 | 9 | 2 | 8 | 8 | 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 |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | *TOTALS | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | X | X | | | X | | | X | X | X | X | X | X | X | X | | | | |
| Integumentary System | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | |
| Musculoskeletal System | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | |
| Nervous System | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | |
| Respiratory System | | | | | | | | | | | | | | | | | | | |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | X | X | | | X | | | X | X | X | X | X | | X | X | | | | |
| Special Senses System | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | |
| Urinary System | | | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | X | X | | | X | | | X | X | X | X | X | | X | X | | | | |
| SYSTEMIC LESIONS | | | | | | | | | | | | | | | | | | | |
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | X | X | | | X | | | X | X | X | X | X | X | X | X | | | | |

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

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 First Dose M/F: NA / NA
 Lab: IIT

**PIM Mouse Female
 10 GAUSSINTER**

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-------------|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 |
| | 2 | 6 | 3 | 6 | 3 | 6 | 8 | 6 | 5 | 9 | 6 | 6 | 6 | 5 | 6 | 6 | 6 | 6 | 9 |
| | 0 | 2 | 6 | 2 | 6 | 2 | 3 | 2 | 3 | 0 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 4 |
| 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 |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | *TOTALS | | | | | | | | | | | | | | | | | | |

Alimentary System

| | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 19 |
| Lymphoma Malignant | X | | X | | X | | X | | X | X | | | | | X | | | | X | 8 |

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

| | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 19 |
| Lymphoma Malignant | X | | X | | | | X | | X | X | | | | | | | | | | 5 |
| Lymph Node, Mesenteric | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 18 |
| Lymphoma Malignant | X | | X | | | | X | | X | X | | | | | | | | | X | 6 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 19 |
| Lymphoma Malignant | X | | X | | | | X | | X | X | | | | | | | | | X | 6 |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 19 |

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

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 First Dose M/F: NA / NA
 Lab: IIT

**PIM Mouse Female
 10 GAUSSINTER**

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-------------------------------|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 |
| | 2 | 6 | 3 | 6 | 3 | 6 | 8 | 6 | 5 | 9 | 6 | 6 | 6 | 5 | 6 | 6 | 6 | 6 | 9 |
| | 0 | 2 | 6 | 2 | 6 | 2 | 3 | 2 | 3 | 0 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 4 |
| 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 |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | *TOTALS | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | X | | X | | X | | X | | X | X | | | X | X | | | | | X |
| Integumentary System | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | |
| Musculoskeletal System | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | |
| Nervous System | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | |
| Respiratory System | | | | | | | | | | | | | | | | | | | |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | | | X | | X | | X | | X | X | | | | | X | | | | |
| Special Senses System | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | |
| Urinary System | | | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | X | | X | | | | X | | X | X | | | | | | | | | X |
| SYSTEMIC LESIONS | | | | | | | | | | | | | | | | | | | |
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | X | | X | | X | | X | | X | X | | | | X | X | | | | X |

* ..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
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 First Dose M/F: NA / NA
 Lab: IIT

**PIM Mouse Female
 2 GAUSS**

| DAY ON TEST | 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 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | |
| | 6 | 6 | 6 | 6 | 6 | 6 | 0 | 6 | 2 | 6 | 9 | 9 | 2 | 6 | 6 | 6 | 9 | 6 | 6 |
| | 2 | 2 | 2 | 2 | 2 | 2 | 6 | 2 | 8 | 2 | 0 | 0 | 4 | 2 | 2 | 2 | 3 | 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 |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | *TOTALS | | | | | | | | | | | | | | | | | | |

Alimentary System

| | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 19 |
| Hepatocellular Adenoma | | | | | | | | | X | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | X | | X | | X | X | X | | | X | | X | 7 |

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

| | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 19 |
| Lymphoma Malignant | | | | | | | | X | | X | | X | X | X | | | X | | X | 7 |
| Lymph Node, Mesenteric | M | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | 17 |
| Lymphoma Malignant | | | | | | | | | | X | | X | X | X | | | X | | X | 6 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 19 |
| Lymphoma Malignant | | | | | | | X | | X | X | X | X | X | | | | X | | X | 8 |

* ..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
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 Lab: IIT

**PIM Mouse Female
 2 GAUSS**

| | DAY ON TEST | | | | | | | | | | | | | | | | | | | |
|-------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------|
| | 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 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | |
| | 6 | 6 | 6 | 6 | 6 | 6 | 0 | 6 | 2 | 6 | 9 | 9 | 2 | 6 | 6 | 6 | 9 | 6 | 6 | |
| | 2 | 2 | 2 | 2 | 2 | 2 | 6 | 2 | 8 | 2 | 0 | 0 | 4 | 2 | 2 | 2 | 3 | 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 | |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | |
| | | | | | | | | | | | | | | | | | | | | *TOTALS |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 19 |
| Lymphoma Malignant | | | | | | | X | | X | X | X | X | X | | | | X | | X | 8 |
| Integumentary System | | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | | |
| Musculoskeletal System | | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | | |
| Nervous System | | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | | |
| Respiratory System | | | | | | | | | | | | | | | | | | | | |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 19 |
| Lymphoma Malignant | | | | | | | X | | X | | X | X | X | | | | | | X | 6 |
| Special Senses System | | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | | |
| Urinary System | | | | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 19 |
| Lymphoma Malignant | | | | | | | X | | X | X | X | X | X | | | | X | | X | 8 |
| SYSTEMIC LESIONS | | | | | | | | | | | | | | | | | | | | |
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 19 |
| Lymphoma Malignant | | | | | | | X | | X | X | X | X | X | | | | X | | X | 8 |

* ..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
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 Lab: IIT

PIM Mouse Female
 0.02 GAUSS

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-------------|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 9 | 6 | 6 | 6 | 4 | 8 | 6 | 6 | 4 | 6 | 1 | 2 | 6 | 6 | 0 | 6 | 1 | 6 | 6 |
| | 1 | 2 | 2 | 2 | 3 | 6 | 2 | 2 | 3 | 2 | 6 | 2 | 2 | 2 | 0 | 2 | 3 | 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 |
| | 1 | 1 | 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 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | *TOTALS | | | | | | | | | | | | | | | | | | |

Alimentary System

| | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 19 |
| Lymphoma Malignant | X | | | | | X | | | | X | | | | X | | X | | | | 5 |

Cardiovascular System

| | | | | | | | | | | | | | | | | | | | |
|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|
| NONE | | | | | | | | | | | | | | | | | | | 1 |
|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|

Endocrine System

| | | | | | | | | | | | | | | | | | | | |
|---------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|---|
| Thyroid Gland | | | | | | | | | | | | | | | | | | + | 1 |
|---------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|---|

General Body System

| | | | | | | | | | | | | | | | | | | | |
|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|
| NONE | | | | | | | | | | | | | | | | | | | 1 |
|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|

Genital System

| | | | | | | | | | | | | | | | | | | | |
|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|
| NONE | | | | | | | | | | | | | | | | | | | 1 |
|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|

Hematopoietic System

| | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | 18 |
| Lymphoma Malignant | X | | | | | X | | | | X | | | | X | | X | | | | 5 |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | M | + | + | M | + | + | + | + | + | + | + | 17 |
| Lymphoma Malignant | X | | | | | X | | | | X | | | | X | | X | | | | 5 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 19 |
| Lymphoma Malignant | X | | X | | | X | | | | X | | | | X | | X | | | | 6 |
| Thymus | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | M | + | 17 |

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 CAS Number: MAGNETIC

Date Report Requested: 10/20/2014
 Time Report Requested: 19:46:25
 First Dose M/F: NA / NA
 Lab: IIT

PIM Mouse Female
0.02 GAUSS

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-------------------------------|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 9 | 6 | 6 | 6 | 4 | 8 | 6 | 6 | 4 | 6 | 1 | 2 | 6 | 6 | 0 | 6 | 1 | 6 | 6 |
| | 1 | 2 | 2 | 2 | 3 | 6 | 2 | 2 | 3 | 2 | 6 | 2 | 2 | 2 | 0 | 2 | 3 | 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 |
| | 1 | 1 | 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 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | *TOTALS | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | X | | X | | X | X | | | | | X | X | | | X | | X | | |
| Integumentary System | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | |
| Musculoskeletal System | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | |
| Nervous System | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | |
| Respiratory System | | | | | | | | | | | | | | | | | | | |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | X | | X | | X | X | | | | | X | X | | | | X | | | |
| Special Senses System | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | |
| Urinary System | | | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | X | | | | | X | | | | | X | | | | | X | | | |
| SYSTEMIC LESIONS | | | | | | | | | | | | | | | | | | | |
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant | X | | X | | X | X | | | | | X | X | | | X | | X | | |

* ..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: 89029-03
 Test Type: 150-DAY
 Route: MAGNETIC FIELDS
 Species/Strain: Mouse/PIM

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Magnetic fields (EMF)
 CAS Number: MAGNETIC

Date Report Requested: 10/20/2014
 Time Report Requested: 19:46:25
 First Dose M/F: NA / NA
 Lab: IIT

**PIM Mouse Female
 SHAM CONTROL**

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-------------|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 3 | 3 | 9 | 6 | 6 | 6 | 6 | 6 | 6 | 9 | 2 | 2 | 6 | 6 | 6 | 6 | 2 | 6 | 6 |
| | 2 | 8 | 0 | 2 | 2 | 2 | 2 | 2 | 2 | 0 | 3 | 5 | 2 | 2 | 2 | 2 | 0 | 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 |
| | 1 | 1 | 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 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | *TOTALS | | | | | | | | | | | | | | | | | | |

Alimentary System

| | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 19 |
| Lymphoma Malignant | X | X | X | | | | | | | X | X | | | | | | X | X | | 7 |

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

| | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 19 |
| Lymphoma Malignant | X | X | X | | | X | | X | | X | X | | | | | | | | | 7 |
| Lymph Node, Mesenteric | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | 17 |
| Lymphoma Malignant | X | X | | | | | | X | | X | X | | | | | | | | | 5 |
| Spleen | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 18 |
| Lymphoma Malignant | X | X | | | | X | | X | | X | X | | | | | | | X | X | 8 |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | 18 |

* ..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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 Species/Strain: Mouse/PIM

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Magnetic fields (EMF)
 CAS Number: MAGNETIC

Date Report Requested: 10/20/2014
 Time Report Requested: 19:46:25
 First Dose M/F: NA / NA
 Lab: IIT

PIM Mouse Female
SHAM CONTROL

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-------------------------------|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 3 | 3 | 9 | 6 | 6 | 6 | 6 | 6 | 6 | 9 | 2 | 2 | 6 | 6 | 6 | 6 | 2 | 6 | 6 |
| | 2 | 8 | 0 | 2 | 2 | 2 | 2 | 2 | 2 | 0 | 3 | 5 | 2 | 2 | 2 | 2 | 0 | 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 |
| | 1 | 1 | 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 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | *TOTALS | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | X | X | X | | | | | | | | X | X | X | | | | | X | 7 |
| Integumentary System | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | |
| Musculoskeletal System | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | |
| Nervous System | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | |
| Respiratory System | | | | | | | | | | | | | | | | | | | |
| Lung | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 18 |
| Alveolar/Bronchiolar Adenoma | | | | | | | X | | | | | | | | | | | | 1 |
| Lymphoma Malignant | X | X | | | | X | | X | | | X | X | X | | | | | X | 8 |
| Special Senses System | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | |
| Urinary System | | | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 19 |
| Lymphoma Malignant | X | X | X | | | | | | | | X | X | X | | | | | | 6 |
| SYSTEMIC LESIONS | | | | | | | | | | | | | | | | | | | |
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 19 |
| Lymphoma Malignant | X | X | X | | | X | | X | | | X | X | X | | | | | X | 10 |

* ..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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 Species/Strain: Mouse/PIM

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Magnetic fields (EMF)
 CAS Number: MAGNETIC

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

**PIM Mouse Female
 10 GAUSS**

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-------------|----------------|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 9 | 6 | 6 | 6 | 0 | 6 | 2 | 6 | 6 | 6 | 6 |
| | 2 | 2 | 2 | 2 | 3 | 2 | 0 | 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 |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
| | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 |
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | *TOTALS | | | | | | | | | | |

Alimentary System

| | | | | | | | | | | | | |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|----|
| Liver | + | + | + | + | + | + | + | + | + | + | + | 11 |
| Histiocytic Sarcoma | | | | | X | | | | | | | 1 |
| Lymphoma Malignant | X | | | | | | X | | | | | 2 |

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

| | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|----|
| Lymph Node, Mandibular | + | + | + | + | A | + | + | + | + | + | + | 10 |
| Lymphoma Malignant | X | | | | | | X | | | | | 2 |
| Lymph Node, Mesenteric | + | + | + | + | A | + | + | + | M | + | + | 9 |
| Lymphoma Malignant | X | | | | | | X | | | | | 2 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | 11 |
| Histiocytic Sarcoma | | | | | X | | | | | | | 1 |

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
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**PIM Mouse Female
 10 GAUSS**

| | DAY ON TEST | | | | | | | | | | | |
|-------------------------------|----------------|---|---|---|---|---|---|---|---|---|---|----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | 9 | 6 | 6 | 6 | 0 | 6 | 2 | 6 | 6 | 6 | 6 | |
| | 2 | 2 | 2 | 2 | 3 | 2 | 0 | 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 | |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | |
| | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | |
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | |
| | *TOTALS | | | | | | | | | | | |
| Lymphoma Malignant | X | | | | | | X | | | | | 2 |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | 11 |
| Histiocytic Sarcoma | | | | | X | | | | | | | 1 |
| Lymphoma Malignant | X | | | | | | X | | | | | 2 |
| Integumentary System | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | |
| Musculoskeletal System | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | |
| Nervous System | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | |
| Respiratory System | | | | | | | | | | | | |
| Lung | + | + | + | + | A | + | + | + | + | + | + | 10 |
| Alveolar/Bronchiolar Adenoma | | | | X | | | | | | | | 1 |
| Lymphoma Malignant | X | | | | | | X | | | | | 2 |
| Special Senses System | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | |
| Urinary System | | | | | | | | | | | | |
| Kidney | + | + | + | + | A | + | + | + | + | + | + | 10 |
| Lymphoma Malignant | 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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PIM Mouse Female
10 GAUSS

| | | | | | | | | | | | | |
|-------------|---|---|---|---|---|---|---|---|---|---|---|----------------|
| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | 9 | 6 | 6 | 6 | 0 | 6 | 2 | 6 | 6 | 6 | 6 | |
| | 2 | 2 | 2 | 2 | 3 | 2 | 0 | 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 | |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | |
| | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | |
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | *TOTALS |

SYSTEMIC LESIONS

| | | | | | | | | | | | | |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|----|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | 11 |
| Histiocytic Sarcoma | | | | | X | | | | | | | 1 |
| Lymphoma Malignant | 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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 Lab: IIT

**PIM Mouse Female
 10 GAUSSINTER**

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-------------|----------------|---|---|---|---|---|---|---|---|---|---|
| | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 |
| | 6 | 6 | 6 | 6 | 3 | 9 | 9 | 6 | 6 | 6 | 9 |
| | 2 | 2 | 2 | 2 | 2 | 9 | 8 | 2 | 2 | 2 | 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 |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 |
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | *TOTALS | | | | | | | | | | |

Alimentary System

| | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|----|
| Liver | + | + | + | + | + | + | + | + | + | + | + | 11 |
| Lymphoma Malignant | | | | | X | X | X | | X | | X | 5 |

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

| | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|----|
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | 11 |
| Lymphoma Malignant | | | | | X | X | X | | X | X | | 5 |
| Lymph Node, Mesenteric | + | + | + | M | + | + | + | + | + | + | + | 10 |
| Lymphoma Malignant | | | | | X | X | X | | X | | | 4 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | 11 |
| Lymphoma Malignant | | | | | X | X | X | | X | | X | 5 |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | 11 |

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
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 10 GAUSSINTER**

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
|-------------------------------|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | | | | | |
| | 6 | 6 | 6 | 6 | 3 | 9 | 9 | 6 | 6 | 6 | 9 | | | | | |
| | 2 | 2 | 2 | 2 | 2 | 9 | 8 | 2 | 2 | 2 | 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 | |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | |
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | | | | | |
| | *TOTALS | | | | | | | | | | | | | | 7 | |
| Lymphoma Malignant | | | | | | X | X | X | X | X | X | X | X | X | | 7 |
| Integumentary System | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | |
| Musculoskeletal System | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | |
| Nervous System | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | |
| Respiratory System | | | | | | | | | | | | | | | | |
| Lung | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 11 |
| Lymphoma Malignant | | | | | | X | X | X | | X | | X | | | | 5 |
| Special Senses System | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | |
| Urinary System | | | | | | | | | | | | | | | | |
| Kidney | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 11 |
| Lymphoma Malignant | | | | | | X | X | X | | X | | X | | | | 5 |
| SYSTEMIC LESIONS | | | | | | | | | | | | | | | | |
| Multiple Organ | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 11 |
| Lymphoma Malignant | | | | | | X | X | X | X | X | X | X | X | X | | 7 |

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

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 First Dose M/F: NA / NA
 Lab: IIT

**PIM Mouse Female
 2 GAUSS**

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-------------|----------------|---|---|---|---|---|---|---|---|---|---|
| | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 |
| | 2 | 0 | 6 | 6 | 6 | 6 | 8 | 6 | 6 | 6 | 6 |
| | 0 | 7 | 2 | 2 | 2 | 2 | 1 | 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 |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 |
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | *TOTALS | | | | | | | | | | |

Alimentary System

| | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|----|
| Liver | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Lymphoma Malignant | X | X | | | | | X | | | | X | 4 |

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

| | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|----|
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Lymphoma Malignant | X | X | | | | | X | X | | | X | 5 |
| Lymph Node, Mesenteric | + | + | + | M | + | + | + | + | + | + | + | 9 |
| Lymphoma Malignant | X | X | | | | | X | | | | | 3 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Lymphoma Malignant | X | X | | | | | X | | | | X | 4 |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | 10 |

* ..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: 89029-03
 Test Type: 150-DAY
 Route: MAGNETIC FIELDS
 Species/Strain: Mouse/PIM

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Magnetic fields (EMF)
 CAS Number: MAGNETIC

Date Report Requested: 10/20/2014
 Time Report Requested: 19:46:25
 First Dose M/F: NA / NA
 Lab: IIT

**PIM Mouse Female
 2 GAUSS**

| | DAY ON TEST | | | | | | | | | | | |
|-------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|----------------|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | |
| | 2 | 0 | 6 | 6 | 6 | 6 | 8 | 6 | 6 | 6 | 6 | |
| | 0 | 7 | 2 | 2 | 2 | 2 | 1 | 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 | |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | |
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | *TOTALS |
| Lymphoma Malignant | X | | X | | | | X | | | X | 4 | |
| Integumentary System | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | |
| Musculoskeletal System | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | |
| Nervous System | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | |
| Respiratory System | | | | | | | | | | | | |
| Lung | | + | + | + | + | + | + | + | + | + | + | 10 |
| Lymphoma Malignant | X | | X | | | | X | | | | X | 4 |
| Special Senses System | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | |
| Urinary System | | | | | | | | | | | | |
| Kidney | | + | + | + | + | + | + | + | + | + | + | 10 |
| Lymphoma Malignant | X | | | | | | X | | | | X | 3 |
| SYSTEMIC LESIONS | | | | | | | | | | | | |
| Multiple Organ | | + | + | + | + | + | + | + | + | + | + | 10 |
| Lymphoma Malignant | X | | X | | | | X | X | | | X | 5 |

* ..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: 89029-03
 Test Type: 150-DAY
 Route: MAGNETIC FIELDS
 Species/Strain: Mouse/PIM

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Magnetic fields (EMF)
 CAS Number: MAGNETIC

Date Report Requested: 10/20/2014
 Time Report Requested: 19:46:25
 First Dose M/F: NA / NA
 Lab: IIT

PIM Mouse Female
0.02 GAUSS

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-------------|----------------|---|---|---|---|---|---|---|---|---|---|
| | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 6 | 6 | 9 | 4 | 6 | 4 | 6 | 6 | 6 | 3 | 6 |
| | 2 | 2 | 0 | 1 | 2 | 1 | 2 | 2 | 2 | 8 | 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 |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | *TOTALS | | | | | | | | | | |

Alimentary System

| | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|----|
| Liver | + | + | + | + | + | + | + | + | + | + | + | 11 |
| Lymphoma Malignant | | | X | X | | X | | | | X | X | 5 |

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

| | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|----|
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | 11 |
| Lymphoma Malignant | | | X | X | | X | | | | X | X | 5 |
| Lymph Node, Mesenteric | + | M | + | + | + | + | + | + | + | M | + | 9 |
| Lymphoma Malignant | | | X | X | | X | | | | | X | 4 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | 11 |
| Lymphoma Malignant | | | X | X | | X | | | | X | X | 5 |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | 11 |

* ..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: 89029-03
 Test Type: 150-DAY
 Route: MAGNETIC FIELDS
 Species/Strain: Mouse/PIM

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Magnetic fields (EMF)
 CAS Number: MAGNETIC

Date Report Requested: 10/20/2014
 Time Report Requested: 19:46:25
 First Dose M/F: NA / NA
 Lab: IIT

PIM Mouse Female
0.02 GAUSS

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-------------|----------------|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 6 | 6 | 9 | 4 | 6 | 4 | 6 | 6 | 6 | 3 | 6 | 6 |
| | 2 | 2 | 0 | 1 | 2 | 1 | 2 | 2 | 2 | 8 | 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 |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 0 |
| | *TOTALS | | | | | | | | | | | 5 |

Lymphoma Malignant
Integumentary System

X X X X X

NONE
Musculoskeletal System

NONE
Nervous System

NONE
Respiratory System

Lung + + + + + + + + + + 11
 Lymphoma Malignant X X X X X 5

Special Senses System

NONE
Urinary System

Kidney + + + + + + + + + + 11
 Lymphoma Malignant X X X X X 5

SYSTEMIC LESIONS

Multiple Organ + + + + + + + + + + 11
 Lymphoma Malignant X X X X X 5

* ..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: 89029-03
 Test Type: 150-DAY
 Route: MAGNETIC FIELDS
 Species/Strain: Mouse/PIM

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Magnetic fields (EMF)
 CAS Number: MAGNETIC

Date Report Requested: 10/20/2014
 Time Report Requested: 19:46:25
 First Dose M/F: NA / NA
 Lab: IIT

**PIM Mouse Female
 SHAM CONTROL**

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-------------|----------------|---|---|---|---|---|---|---|---|---|---|
| | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 |
| | 6 | 1 | 6 | 6 | 9 | 6 | 6 | 6 | 6 | 8 | 6 |
| | 2 | 4 | 2 | 2 | 7 | 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 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 |
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | *TOTALS | | | | | | | | | | |

Alimentary System

| | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|----|
| Liver | + | + | + | + | + | + | + | + | + | + | + | 11 |
| Lymphoma Malignant | | X | | | X | | | | | X | | 3 |

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

| | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|----|
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | 11 |
| Lymphoma Malignant | | X | | | | | | | | X | | 2 |
| Lymph Node, Mesenteric | + | + | + | + | M | + | + | + | + | + | M | 9 |
| Lymphoma Malignant | | X | | | | | | | | X | | 2 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | 11 |
| Lymphoma Malignant | | X | | | | | | | | X | | 2 |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | 11 |

* ..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: 89029-03
 Test Type: 150-DAY
 Route: MAGNETIC FIELDS
 Species/Strain: Mouse/PIM

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Magnetic fields (EMF)
 CAS Number: MAGNETIC

Date Report Requested: 10/20/2014
 Time Report Requested: 19:46:25
 First Dose M/F: NA / NA
 Lab: IIT

**PIM Mouse Female
 SHAM CONTROL**

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-------------------------------|----------------|---|---|---|---|---|---|---|---|---|---|----|
| | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | |
| | 6 | 1 | 6 | 6 | 9 | 6 | 6 | 6 | 6 | 8 | 6 | |
| | 2 | 4 | 2 | 2 | 7 | 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 | |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | |
| | *TOTALS | | | | | | | | | | | |
| Lymphoma Malignant | | X | X | | X | | | | | X | | 4 |
| Integumentary System | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | |
| Musculoskeletal System | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | |
| Nervous System | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | |
| Respiratory System | | | | | | | | | | | | |
| Lung | | + | + | + | + | + | + | + | + | + | + | 11 |
| Lymphoma Malignant | | | X | | | X | | | | X | | 3 |
| Special Senses System | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | |
| Urinary System | | | | | | | | | | | | |
| Kidney | | + | + | + | + | + | + | + | + | + | + | 11 |
| Lymphoma Malignant | | | X | | | | | | | X | | 2 |
| SYSTEMIC LESIONS | | | | | | | | | | | | |
| Multiple Organ | | + | + | + | + | + | + | + | + | + | + | 11 |
| Lymphoma Malignant | | | X | X | | X | | | | X | | 4 |

**** END OF REPORT ****

* ..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