

**Experiment Number:** 20105 - 11

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH  
AVERAGE SEVERITY GRADES[b]**

**Date Report Requested:** 08/17/2017

**Test Type:** 28-DAY

Cell Phone Radiation: GSM

**Time Report Requested:** 11:05:01

**Route:** Whole Body Exposure

**CAS Number:** CELLPRADGSM

**First Dose M/F:** 09/06/10 / 09/06/10

**Species/Strain:** MICE/B6C3F1

**Lab:** IIT

Revised Final\_Mice (GSM)

**NTP Study Number:** C20105  
**Lock Date:** 11/06/2014  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** 25021 TSAC  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 3.0.2.3\_002  
**PWG Approval Date:** 07/27/2016

Test Type: 28-DAY

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Route: Whole Body Exposure

CAS Number: CELLPRADGSM

First Dose M/F: 09/06/10 / 09/06/10

Species/Strain: MICE/B6C3F1

Lab: IIT

B6C3F1 MICE MALE	0 W/kg	5 W/kg 1900MHz	10 W/kg 1900MHz	15 W/kg 1900MHz
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**Disposition Summary**

Animals Initially In Study	30	30	30	30
Early Deaths				
Survivors				
Terminal Sacrifice	10	10	10	10
Animals Examined Microscopically	10	10	10	10

## ALIMENTARY SYSTEM

Esophagus	(10)	(0)	(0)	(10)
Gallbladder	(10)	(0)	(0)	(10)
Intestine Large, Cecum	(10)	(0)	(0)	(10)
Intestine Large, Colon	(10)	(0)	(0)	(10)
Intestine Large, Rectum	(10)	(0)	(0)	(10)
Intestine Small, Duodenum	(10)	(0)	(0)	(10)
Intestine Small, Ileum	(10)	(0)	(0)	(10)
Intestine Small, Jejunum	(10)	(0)	(0)	(10)
Liver	(10)	(0)	(0)	(10)
Inflammation, Focal	9 [1.0]			10 [1.0]
Necrosis	1 [1.0]			
Pancreas	(10)	(0)	(0)	(10)
Salivary Glands	(10)	(0)	(0)	(10)
Infiltration Cellular, Mixed Cell				1 [1.0]
Stomach, Forestomach	(10)	(0)	(0)	(10)
Stomach, Glandular	(10)	(0)	(0)	(10)

## CARDIOVASCULAR SYSTEM

Blood Vessel	(10)	(0)	(0)	(10)
Heart	(10)	(10)	(10)	(10)

## ENDOCRINE SYSTEM

Adrenal Cortex	(10)	(0)	(0)	(10)
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a - Number of animals examined microscopically at site and number of animals with lesion

b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)

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Lab: IIT

B6C3F1 MICE MALE	0 W/kg	5 W/kg 1900MHz	10 W/kg 1900MHz	15 W/kg 1900MHz
Accessory Adrenal Cortical Nodule	2			
Fat, Accessory Adrenal Cortical Nodule	1			
Adrenal Medulla	(9)	(0)	(0)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(10)
Parathyroid Gland	(10)	(0)	(0)	(10)
Cyst				1
Ectopic Thymus	1			
Pituitary Gland	(10)	(0)	(0)	(10)
Thyroid Gland	(10)	(0)	(0)	(10)

## GENERAL BODY SYSTEM

None

## GENITAL SYSTEM

Epididymis	(10)	(0)	(0)	(10)
Duct, Exfoliated Germ Cell	1 [1.0]			
Preputial Gland	(10)	(0)	(0)	(10)
Inflammation, Chronic Active	2 [1.0]			3 [1.0]
Prostate	(10)	(0)	(0)	(10)
Seminal Vesicle	(10)	(0)	(0)	(10)
Testes	(10)	(0)	(0)	(10)
Bilateral, Germ Cell, Degeneration	1 [1.0]			1 [1.0]

## HEMATOPOIETIC SYSTEM

Bone Marrow	(10)	(0)	(0)	(10)
Lymph Node, Mandibular	(10)	(0)	(0)	(9)
Lymph Node, Mesenteric	(10)	(0)	(0)	(10)
Spleen	(10)	(0)	(0)	(10)
Thymus	(10)	(0)	(0)	(10)

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Lab: IIT

B6C3F1 MICE MALE	0 W/kg	5 W/kg 1900MHz	10 W/kg 1900MHz	15 W/kg 1900MHz
<b>INTEGUMENTARY SYSTEM</b>				
Mammary Gland	(0)	(0)	(0)	(1)
Skin	(10)	(0)	(0)	(10)
<b>MUSCULOSKELETAL SYSTEM</b>				
Bone	(10)	(0)	(0)	(10)
<b>NERVOUS SYSTEM</b>				
Brain	(10)	(10)	(10)	(10)
<b>RESPIRATORY SYSTEM</b>				
Lung	(10)	(0)	(0)	(10)
Nose	(10)	(0)	(0)	(10)
Trachea	(10)	(0)	(0)	(10)
<b>SPECIAL SENSES SYSTEM</b>				
Eye	(10)	(0)	(0)	(10)
Harderian Gland	(10)	(0)	(0)	(10)
<b>URINARY SYSTEM</b>				
Kidney	(10)	(10)	(10)	(10)
Inflammation, Chronic				1 [1.0]
Nephropathy, Chronic Progressive			1 [1.0]	
Urinary Bladder	(10)	(0)	(0)	(10)
Infiltration Cellular, Lymphocyte	2 [1.0]			1 [1.0]
Infiltration Cellular, Mixed Cell	1 [1.0]			

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

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Lab: IIT

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B6C3F1 MICE MALE

0 W/kg

5 W/kg 1900MHz

10 W/kg 1900MHz

15 W/kg 1900MHz

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

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

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B6C3F1 MICE FEMALE	0 W/kg	5 W/kg 1900MHz	10 W/kg 1900MHz	15 W/kg 1900MHz
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**Disposition Summary**

<b>Animals Initially In Study</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>
<b>Early Deaths</b>				
<b>Survivors</b>				
<b>Terminal Sacrifice</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>
<b>Animals Examined Microscopically</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>

## ALIMENTARY SYSTEM

Esophagus	(10)	(0)	(0)	(10)
Gallbladder	(10)	(0)	(0)	(10)
Intestine Large, Cecum	(10)	(0)	(0)	(10)
Intestine Large, Colon	(10)	(0)	(0)	(10)
Intestine Large, Rectum	(10)	(0)	(0)	(10)
Intestine Small, Duodenum	(10)	(0)	(0)	(10)
Intestine Small, Ileum	(10)	(0)	(0)	(10)
Intestine Small, Jejunum	(10)	(0)	(0)	(10)
Liver	(10)	(0)	(0)	(10)
Inflammation, Focal	10 [1.0]			10 [1.0]
Mesentery	(0)	(0)	(0)	(1)
Pancreas	(10)	(0)	(0)	(10)
Salivary Glands	(10)	(0)	(0)	(10)
Stomach, Forestomach	(10)	(0)	(0)	(10)
Stomach, Glandular	(10)	(0)	(0)	(10)
Glands, Cyst				1
Glands, Cyst, Multiple	1			

## CARDIOVASCULAR SYSTEM

Blood Vessel	(10)	(0)	(0)	(9)
Heart	(10)	(10)	(10)	(10)

## ENDOCRINE SYSTEM

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Adrenal Cortex	(10)	(0)	(0)	(10)
Fat, Accessory Adrenal Cortical Nodule				1
Adrenal Medulla	(10)	(0)	(0)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(10)
Parathyroid Gland	(10)	(0)	(0)	(10)
Ectopic Thymus				1
Pituitary Gland	(10)	(0)	(0)	(10)
Thyroid Gland	(10)	(0)	(0)	(10)

## GENERAL BODY SYSTEM

None

## GENITAL SYSTEM

Clitoral Gland	(10)	(0)	(0)	(10)
Ovary	(10)	(1)	(0)	(10)
Necrosis		1 [3.0]		
Oviduct	(1)	(0)	(0)	(0)
Uterus	(10)	(0)	(0)	(10)

## HEMATOPOIETIC SYSTEM

Bone Marrow	(10)	(0)	(0)	(10)
Lymph Node, Mandibular	(10)	(0)	(0)	(10)
Lymph Node, Mesenteric	(10)	(0)	(0)	(10)
Spleen	(10)	(0)	(0)	(10)
Thymus	(10)	(0)	(0)	(10)

## INTEGUMENTARY SYSTEM

Mammary Gland	(10)	(0)	(0)	(10)
Skin	(10)	(0)	(0)	(10)

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Lab: IIT

## B6C3F1 MICE FEMALE

0 W/kg

5 W/kg 1900MHz

10 W/kg 1900MHz

15 W/kg 1900MHz

## MUSCULOSKELETAL SYSTEM

	0 W/kg	5 W/kg 1900MHz	10 W/kg 1900MHz	15 W/kg 1900MHz
Bone	(10)	(0)	(0)	(10)

## NERVOUS SYSTEM

Brain	(9)	(10)	(10)	(10)
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## RESPIRATORY SYSTEM

Lung	(10)	(0)	(0)	(9)
Nose	(10)	(0)	(0)	(10)
Trachea	(10)	(0)	(0)	(10)

## SPECIAL SENSES SYSTEM

Eye	(10)	(0)	(0)	(10)
Harderian Gland	(10)	(0)	(0)	(10)
Inflammation, Chronic Active	1 [1.0]			

## URINARY SYSTEM

Kidney	(10)	(10)	(10)	(10)
Urinary Bladder	(10)	(0)	(0)	(10)
Infiltration Cellular, Lymphocyte	3 [1.0]			4 [1.0]

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

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

b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)