

**Experiment Number:** 20105 - 11  
**Test Type:** 28-DAY  
**Route:** Whole Body Exposure  
**Species/Strain:** MICE/B6C3F1

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

Cell Phone Radiation: GSM

**CAS Number:** CELLPRADGSM

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

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

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

**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

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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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**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

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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 (90%)

10 (100%)

Necrosis

1 (10%)

Pancreas

(10)

(0)

(0)

(10)

Salivary Glands

(10)

(0)

(0)

(10)

Infiltration Cellular, Mixed Cell

1 (10%)

Stomach, Forestomach

(10)

(0)

(0)

(10)

Stomach, Glandular

(10)

(0)

(0)

(10)

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CARDIOVASCULAR SYSTEM

Blood Vessel

(10)

(0)

(0)

(10)

Heart

(10)

(10)

(10)

(10)

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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

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B6C3F1 MICE MALE	0 W/kg	5 W/kg 1900MHz	10 W/kg 1900MHz	15 W/kg 1900MHz
Accessory Adrenal Cortical Nodule	2 (20%)			
Fat, Accessory Adrenal Cortical Nodule	1 (10%)			
Adrenal Medulla	(9)	(0)	(0)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(10)
Parathyroid Gland	(10)	(0)	(0)	(10)
Cyst				1 (10%)
Ectopic Thymus	1 (10%)			
Pituitary Gland	(10)	(0)	(0)	(10)
Thyroid Gland	(10)	(0)	(0)	(10)

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GENERAL BODY SYSTEM

None

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GENITAL SYSTEM

Epididymis	(10)	(0)	(0)	(10)
Duct, Exfoliated Germ Cell	1 (10%)			
Preputial Gland	(10)	(0)	(0)	(10)
Inflammation, Chronic Active	2 (20%)			3 (30%)
Prostate	(10)	(0)	(0)	(10)
Seminal Vesicle	(10)	(0)	(0)	(10)
Testes	(10)	(0)	(0)	(10)
Bilateral, Germ Cell, Degeneration	1 (10%)			1 (10%)

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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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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 (10%)
Nephropathy, Chronic Progressive			1 (10%)	
Urinary Bladder	(10)	(0)	(0)	(10)
Infiltration Cellular, Lymphocyte	2 (20%)			1 (10%)
Infiltration Cellular, Mixed Cell	1 (10%)			

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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 \*\*\*

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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>

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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 (100%)			10 (100%)
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 (10%)
Glands, Cyst, Multiple	1 (10%)			

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CARDIOVASCULAR SYSTEM

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

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ENDOCRINE SYSTEM

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

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GENERAL BODY SYSTEM

None

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GENITAL SYSTEM

Clitoral Gland	(10)	(0)	(0)	(10)
Ovary	(10)	(1)	(0)	(10)
Necrosis		1 (100%)		
Oviduct	(1)	(0)	(0)	(0)
Uterus	(10)	(0)	(0)	(10)

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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)

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INTEGUMENTARY SYSTEM

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

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<hr/>				
MUSCULOSKELETAL SYSTEM				
Bone	(10)	(0)	(0)	(10)
<hr/>				
NERVOUS SYSTEM				
Brain	(9)	(10)	(10)	(10)
<hr/>				
RESPIRATORY SYSTEM				
Lung	(10)	(0)	(0)	(9)
Nose	(10)	(0)	(0)	(10)
Trachea	(10)	(0)	(0)	(10)
<hr/>				
SPECIAL SENSES SYSTEM				
Eye	(10)	(0)	(0)	(10)
Harderian Gland	(10)	(0)	(0)	(10)
Inflammation, Chronic Active	1 (10%)			
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URINARY SYSTEM				
Kidney	(10)	(10)	(10)	(10)
Urinary Bladder	(10)	(0)	(0)	(10)
Infiltration Cellular, Lymphocyte	3 (30%)			4 (40%)

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

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