

Experiment Number: 20105 - 12

**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: CDMA

Time Report Requested: 11:06:17

Route: Whole Body Exposure

CAS Number: CELLPRADCDMA

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

Species/Strain: MICE/B6C3F1

Lab: IIT

Revised Final_Mice (CDMA)

NTP Study Number: C20105B
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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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)	(9)
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]			9 [1.0]
Necrosis	1 [1.0]			
Pancreas	(10)	(0)	(0)	(10)
Necrosis				1 [1.0]
Salivary Glands	(10)	(0)	(0)	(10)
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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Species/Strain: MICE/B6C3F1

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			1
Bilateral, Fat, Accessory Adrenal Cortical Nodule				1
Fat, Accessory Adrenal Cortical Nodule	1			
Adrenal Medulla	(9)	(0)	(0)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(10)
Parathyroid Gland	(10)	(0)	(0)	(10)
Ectopic Thymus	1			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]			1 [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]			

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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Species/Strain: MICE/B6C3F1

Lab: IIT

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

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Lab: IIT

B6C3F1 MICE MALE

0 W/kg

5 W/kg 1900MHz

10 W/kg 1900MHz

15 W/kg 1900MHz

*** END OF MALE ***

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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Species/Strain: MICE/B6C3F1

Lab: IIT

B6C3F1 MICE FEMALE	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)	(9)
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]
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)	(10)
Heart	(10)	(10)	(10)	(10)

ENDOCRINE SYSTEM

Adrenal Cortex	(10)	(0)	(0)	(10)
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B6C3F1 MICE FEMALE	0 W/kg	5 W/kg 1900MHz	10 W/kg 1900MHz	15 W/kg 1900MHz
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)
Inflammation, Chronic				1 [1.0]

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Clitoral Gland	(10)	(0)	(0)	(9)
Inflammation, Acute				1 [1.0]
Ovary	(10)	(0)	(0)	(10)
Oviduct	(1)	(0)	(0)	(0)
Uterus	(10)	(0)	(0)	(10)

HEMATOPOIETIC SYSTEM

Bone Marrow	(10)	(0)	(0)	(10)
Lymph Node, Mandibular	(10)	(0)	(0)	(6)
Erythrophagocytosis				1 [1.0]
Lymph Node, Mesenteric	(10)	(0)	(0)	(10)
Spleen	(10)	(1)	(0)	(10)
Pigmentation		1 [1.0]		
Thymus	(10)	(0)	(0)	(10)
Hemorrhage				1 [1.0]

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INTEGUMENTARY SYSTEM				
Mammary Gland	(10)	(0)	(0)	(10)
Skin	(10)	(0)	(0)	(10)
MUSCULOSKELETAL SYSTEM				
Bone	(10)	(0)	(0)	(10)
NERVOUS SYSTEM				
Brain	(9)	(10)	(10)	(10)
RESPIRATORY SYSTEM				
Lung	(10)	(0)	(0)	(10)
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]

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B6C3F1 MICE FEMALE

0 W/kg

5 W/kg 1900MHz

10 W/kg 1900MHz

15 W/kg 1900MHz

*** END OF REPORT ***

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