

Experiment Number: 20105 - 75

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

Date Report Requested: 08/29/2017

Test Type: CHRONIC

Cell Phone Radiation: CDMA

Time Report Requested: 13:02:40

Route: Whole Body Exposure

CAS Number: CELLPRADCDMA

First Dose M/F: 06/18/12 / 06/18/12

Species/Strain: MICE/B6C3F1

Lab: IIT

Final 1 CDMA Mice 14-Week Special Study

NTP Study Number: C20105B
Lock Date: 04/07/2016
Cage Range: ALL
Date Range: ALL
Reasons For Removal: 25017 SSAC
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 3.0.2.3_002
PWG Approval Date: NONE

Test Type: CHRONIC

Cell Phone Radiation: CDMA

Time Report Requested: 13:02:40

Route: Whole Body Exposure

CAS Number: CELLPRADCDMA

First Dose M/F: 06/18/12 / 06/18/12

Species/Strain: MICE/B6C3F1

Lab: IIT

B6C3F1 MICE MALE	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
------------------	--------	----------	--------	---------

Disposition Summary

Animals Initially In Study	105	106	105	105
Scheduled Sacrifice	15	15	15	15
Early Deaths				
Survivors				
Animals Examined Microscopically	10	10	10	10

ALIMENTARY SYSTEM

Esophagus	(10)	(10)	(10)	(10)
Gallbladder	(8)	(9)	(9)	(7)
Intestine Large, Cecum	(10)	(10)	(10)	(10)
Intestine Large, Colon	(10)	(10)	(10)	(10)
Intestine Large, Rectum	(10)	(10)	(10)	(10)
Intestine Small, Duodenum	(10)	(10)	(10)	(10)
Intestine Small, Ileum	(10)	(10)	(10)	(10)
Intestine Small, Jejunum	(10)	(10)	(10)	(10)
Liver	(10)	(10)	(10)	(10)
Infiltration Cellular, Lymphocyte			1 [1.0]	
Infiltration Cellular, Mixed Cell, Multifocal			2 [1.0]	
Infiltration Cellular, Mixed Cell		1 [1.0]		
Inflammation, Focal				1 [1.0]
Pancreas	(10)	(10)	(10)	(10)
Salivary Glands	(10)	(10)	(10)	(10)
Infiltration Cellular, Lymphocyte		1 [1.0]		
Stomach, Forestomach	(10)	(10)	(10)	(10)
Stomach, Glandular	(10)	(10)	(10)	(10)

CARDIOVASCULAR SYSTEM

Aorta	(10)	(10)	(10)	(10)
Blood Vessel	(1)	(0)	(0)	(1)
Heart	(10)	(10)	(10)	(10)

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)

Test Type: CHRONIC

Cell Phone Radiation: CDMA

Time Report Requested: 13:02:40

Route: Whole Body Exposure

CAS Number: CELLPRADCDMA

First Dose M/F: 06/18/12 / 06/18/12

Species/Strain: MICE/B6C3F1

Lab: IIT

B6C3F1 MICE MALE	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
ENDOCRINE SYSTEM				
Adrenal Cortex	(10)	(10)	(10)	(10)
Adrenal Medulla	(10)	(10)	(10)	(10)
Islets, Pancreatic	(10)	(10)	(10)	(10)
Parathyroid Gland	(2)	(3)	(2)	(5)
Pituitary Gland	(9)	(9)	(9)	(10)
Thyroid Gland	(10)	(9)	(10)	(10)
Infiltration Cellular, Lymphocyte				1 [2.0]
GENERAL BODY SYSTEM				
None				
GENITAL SYSTEM				
Coagulating Gland	(0)	(0)	(0)	(1)
Epididymis	(10)	(10)	(10)	(10)
Preputial Gland	(10)	(9)	(10)	(10)
Prostate	(10)	(10)	(10)	(10)
Seminal Vesicle	(10)	(10)	(10)	(10)
Testis	(10)	(10)	(10)	(10)
HEMATOPOIETIC SYSTEM				
Bone Marrow	(10)	(10)	(10)	(10)
Lymph Node, Mandibular	(5)	(8)	(9)	(10)
Hemorrhage			1 [1.0]	2 [1.5]
Lymph Node, Mesenteric	(10)	(10)	(9)	(10)
Spleen	(10)	(10)	(9)	(10)
Thymus	(10)	(10)	(10)	(10)

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)

Test Type: CHRONIC

Cell Phone Radiation: CDMA

Time Report Requested: 13:02:40

Route: Whole Body Exposure

CAS Number: CELLPRADCDMA

First Dose M/F: 06/18/12 / 06/18/12

Species/Strain: MICE/B6C3F1

Lab: IIT

B6C3F1 MICE MALE	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
INTEGUMENTARY SYSTEM				
Mammary Gland	(1)	(0)	(0)	(0)
Skin	(10)	(10)	(10)	(10)
MUSCULOSKELETAL SYSTEM				
Bone	(10)	(10)	(10)	(10)
Skeletal Muscle	(10)	(10)	(10)	(10)
NERVOUS SYSTEM				
Brain	(10)	(10)	(10)	(10)
Hemorrhage	1 [1.0]			
Brain Trigeminal Ganglion	(9)	(10)	(10)	(10)
Nerve Trigeminal	(8)	(8)	(10)	(8)
Peripheral Nerve, Sciatic	(10)	(10)	(10)	(10)
Spinal Cord	(10)	(10)	(10)	(10)
RESPIRATORY SYSTEM				
Lung	(10)	(10)	(10)	(10)
Congestion	1 [2.0]			
Hemorrhage	2 [1.5]			
Infiltration Cellular, Mixed Cell			1 [2.0]	
Nose	(10)	(10)	(10)	(10)
Trachea	(10)	(10)	(10)	(10)
SPECIAL SENSES SYSTEM				
Eye	(10)	(10)	(10)	(10)
Harderian Gland	(10)	(10)	(10)	(10)

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)

Experiment Number: 20105 - 75

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

Date Report Requested: 08/29/2017

Test Type: CHRONIC

Cell Phone Radiation: CDMA

Time Report Requested: 13:02:40

Route: Whole Body Exposure

CAS Number: CELLPRADCDMA

First Dose M/F: 06/18/12 / 06/18/12

Species/Strain: MICE/B6C3F1

Lab: IIT

B6C3F1 MICE MALE	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
URINARY SYSTEM				
Kidney	(10)	(10)	(10)	(10)
Nephropathy, Chronic Progressive	1 [1.0]		1 [1.0]	1 [1.0]
Interstitial, Infiltration Cellular, Lymphocyte	2 [1.0]	2 [1.0]	3 [1.0]	1 [1.0]
Urinary Bladder	(10)	(10)	(10)	(10)

*** 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)

Test Type: CHRONIC

Cell Phone Radiation: CDMA

Time Report Requested: 13:02:40

Route: Whole Body Exposure

CAS Number: CELLPRADCDMA

First Dose M/F: 06/18/12 / 06/18/12

Species/Strain: MICE/B6C3F1

Lab: IIT

B6C3F1 MICE FEMALE	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
--------------------	--------	----------	--------	---------

Disposition Summary

Animals Initially In Study	105	104	105	105
Scheduled Sacrifice	15	15	15	15
Early Deaths				
Survivors				
Animals Examined Microscopically	10	10	10	10

ALIMENTARY SYSTEM

Esophagus	(10)	(10)	(10)	(10)
Gallbladder	(9)	(10)	(10)	(10)
Intestine Large, Cecum	(10)	(10)	(10)	(10)
Intestine Large, Colon	(10)	(10)	(10)	(10)
Intestine Large, Rectum	(10)	(10)	(10)	(10)
Intestine Small, Duodenum	(10)	(10)	(10)	(10)
Intestine Small, Ileum	(10)	(10)	(10)	(10)
Intestine Small, Jejunum	(10)	(10)	(10)	(10)
Liver	(10)	(10)	(10)	(10)
Inflammation, Focal	1 [1.0]		3 [1.0]	2 [1.0]
Necrosis, Focal			1 [1.0]	
Pancreas	(10)	(10)	(10)	(10)
Salivary Glands	(10)	(9)	(10)	(10)
Stomach, Forestomach	(10)	(10)	(10)	(10)
Stomach, Glandular	(10)	(10)	(10)	(10)

CARDIOVASCULAR SYSTEM

Aorta	(10)	(10)	(10)	(10)
Heart	(10)	(10)	(10)	(10)

ENDOCRINE SYSTEM

Adrenal Cortex	(10)	(10)	(10)	(10)
Adrenal Medulla	(10)	(10)	(10)	(10)

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)

Test Type: CHRONIC

Cell Phone Radiation: CDMA

Time Report Requested: 13:02:40

Route: Whole Body Exposure

CAS Number: CELLPRADCDMA

First Dose M/F: 06/18/12 / 06/18/12

Species/Strain: MICE/B6C3F1

Lab: IIT

B6C3F1 MICE FEMALE	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Islets, Pancreatic	(10)	(10)	(10)	(10)
Parathyroid Gland	(7)	(3)	(5)	(3)
Pituitary Gland	(9)	(10)	(10)	(10)
Thyroid Gland	(10)	(10)	(10)	(10)
Infiltration Cellular, Lymphocyte	1 [1.0]			

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Clitoral Gland	(6)	(7)	(5)	(6)
Ovary	(10)	(10)	(10)	(10)
Uterus	(10)	(10)	(10)	(10)

HEMATOPOIETIC SYSTEM

Bone Marrow	(10)	(10)	(10)	(10)
Lymph Node, Mandibular	(8)	(8)	(9)	(10)
Hemorrhage			1 [1.0]	
Lymph Node, Mesenteric	(10)	(10)	(10)	(9)
Spleen	(10)	(10)	(10)	(10)
Thymus	(10)	(10)	(10)	(10)
Hemorrhage			1 [1.0]	2 [1.0]

INTEGUMENTARY SYSTEM

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

MUSCULOSKELETAL SYSTEM

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)

Test Type: CHRONIC

Cell Phone Radiation: CDMA

Time Report Requested: 13:02:40

Route: Whole Body Exposure

CAS Number: CELLPRADCDMA

First Dose M/F: 06/18/12 / 06/18/12

Species/Strain: MICE/B6C3F1

Lab: IIT

B6C3F1 MICE FEMALE	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Bone	(10)	(10)	(10)	(10)
Skeletal Muscle	(10)	(10)	(10)	(10)

NERVOUS SYSTEM

Brain	(10)	(10)	(10)	(10)
Brain Trigeminal Ganglion	(10)	(7)	(9)	(9)
Nerve Trigeminal	(9)	(7)	(9)	(9)
Peripheral Nerve	(1)	(0)	(0)	(0)
Peripheral Nerve, Sciatic	(10)	(10)	(10)	(10)
Spinal Cord	(10)	(10)	(10)	(10)
Cyst, Squamous		1		

RESPIRATORY SYSTEM

Larynx	(0)	(0)	(1)	(0)
Lung	(10)	(10)	(10)	(10)
Hemorrhage			1 [1.0]	
Nose	(10)	(10)	(10)	(10)
Trachea	(10)	(10)	(10)	(10)

SPECIAL SENSES SYSTEM

Eye	(10)	(10)	(10)	(10)
Retina, Dysplasia		1 [1.0]		
Harderian Gland	(10)	(10)	(10)	(10)

URINARY SYSTEM

Kidney	(10)	(10)	(10)	(10)
Nephropathy, Chronic Progressive		1 [1.0]		
Interstitial, Infiltration Cellular, Lymphocyte		1 [1.0]	1 [1.0]	5 [1.2]
Urinary Bladder	(10)	(10)	(10)	(10)

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)

Experiment Number: 20105 - 75

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

Date Report Requested: 08/29/2017

Test Type: CHRONIC

Cell Phone Radiation: CDMA

Time Report Requested: 13:02:40

Route: Whole Body Exposure

CAS Number: CELLPRADCDMA

First Dose M/F: 06/18/12 / 06/18/12

Species/Strain: MICE/B6C3F1

Lab: IIT

B6C3F1 MICE FEMALE	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Infiltration Cellular, Lymphocyte			1 [1.0]	2 [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)