

Experiment Number: 20105 - 78

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

Date Report Requested: 08/28/2017

Test Type: CHRONIC

Cell Phone Radiation: GSM

Time Report Requested: 17:23:20

Route: Whole Body Exposure

CAS Number: CELLPRADGSM

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

Species/Strain: MICE/B6C3F1

Lab: IIT

Final 1 GSM Mice 14-Week Special Study

NTP Study Number: C20105
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: GSM

Time Report Requested: 17:23:20

Route: Whole Body Exposure

CAS Number: CELLPRADGSM

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	105	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)	(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		2 [1.0]	4 [1.0]	
Pancreas	(10)	(10)	(10)	(10)
Infiltration Cellular, Lymphocyte		1 [1.0]		
Inflammation, Chronic		1 [1.0]		
Salivary Glands	(10)	(10)	(10)	(10)
Stomach, Forestomach	(10)	(10)	(10)	(10)
Stomach, Glandular	(10)	(10)	(10)	(10)

CARDIOVASCULAR SYSTEM

Aorta	(10)	(10)	(10)	(10)
Blood Vessel	(1)	(1)	(2)	(0)
Heart	(10)	(10)	(10)	(10)

ENDOCRINE 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: GSM

Time Report Requested: 17:23:20

Route: Whole Body Exposure

CAS Number: CELLPRADGSM

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
Adrenal Cortex	(10)	(10)	(10)	(10)
Adrenal Medulla	(10)	(10)	(10)	(10)
Islets, Pancreatic	(10)	(10)	(10)	(10)
Parathyroid Gland	(2)	(6)	(4)	(5)
Pituitary Gland	(9)	(10)	(10)	(10)
Thyroid Gland	(10)	(10)	(10)	(10)

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Epididymis	(10)	(10)	(10)	(10)
Preputial Gland	(10)	(10)	(10)	(10)
Prostate	(10)	(10)	(10)	(10)
Infiltration Cellular, Lymphocyte			2 [1.0]	1 [1.0]
Seminal Vesicle	(10)	(10)	(10)	(10)
Testis	(10)	(10)	(10)	(10)

HEMATOPOIETIC SYSTEM

Bone Marrow	(10)	(10)	(10)	(10)
Lymph Node, Mandibular	(5)	(7)	(10)	(8)
Hemorrhage			2 [1.5]	
Lymph Node, Mesenteric	(10)	(10)	(10)	(10)
Spleen	(10)	(10)	(10)	(10)
Thymus	(10)	(10)	(10)	(10)

INTEGUMENTARY SYSTEM

Mammary Gland	(1)	(0)	(0)	(0)
Skin	(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: GSM

Time Report Requested: 17:23:20

Route: Whole Body Exposure

CAS Number: CELLPRADGSM

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
------------------	--------	----------	--------	---------

MUSCULOSKELETAL SYSTEM

Bone	(10)	(10)	(10)	(10)
Skeletal Muscle	(10)	(10)	(10)	(10)

NERVOUS SYSTEM

Brain	(10)	(10)	(10)	(10)
Hemorrhage	1 [1.0]	1 [1.0]		
Brain Trigeminal Ganglion	(9)	(9)	(8)	(10)
Nerve Trigeminal	(8)	(10)	(10)	(10)
Peripheral Nerve, Sciatic	(10)	(10)	(10)	(10)
Spinal Cord	(10)	(10)	(10)	(10)

RESPIRATORY SYSTEM

Lung	(10)	(10)	(10)	(10)
Congestion	1 [2.0]			1 [2.0]
Hemorrhage	2 [1.5]	3 [1.0]	2 [1.0]	2 [1.5]
Nose	(10)	(10)	(10)	(10)
Respiratory Epithelium, Hyperplasia		2 [1.0]	1 [2.0]	
Trachea	(10)	(10)	(10)	(10)

SPECIAL SENSES SYSTEM

Eye	(10)	(10)	(10)	(10)
Harderian Gland	(10)	(10)	(10)	(10)

URINARY SYSTEM

Kidney	(10)	(10)	(10)	(10)
Nephropathy, Chronic Progressive	1 [1.0]	2 [1.0]	1 [1.0]	

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 - 78

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

Date Report Requested: 08/28/2017

Test Type: CHRONIC

Cell Phone Radiation: GSM

Time Report Requested: 17:23:20

Route: Whole Body Exposure

CAS Number: CELLPRADGSM

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
Interstitial, Infiltration Cellular, Lymphocyte Urinary Bladder	2 [1.0] (10)	1 [1.0] (10)	1 [1.0] (10)	1 [1.0] (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: GSM

Time Report Requested: 17:23:20

Route: Whole Body Exposure

CAS Number: CELLPRADGSM

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	105	105	105
Scheduled Sacrifice	15	15	15	15
Early Deaths				
Survivors				
Animals Examined Microscopically	10	10	10	10

ALIMENTARY SYSTEM

Esophagus	(10)	(10)	(10)	(9)
Gallbladder	(9)	(10)	(9)	(9)
Intestine Large, Cecum	(10)	(10)	(10)	(9)
Intestine Large, Colon	(10)	(10)	(10)	(9)
Intestine Large, Rectum	(10)	(10)	(10)	(9)
Intestine Small, Duodenum	(10)	(10)	(10)	(9)
Intestine Small, Ileum	(10)	(10)	(10)	(9)
Intestine Small, Jejunum	(10)	(10)	(10)	(9)
Liver	(10)	(10)	(10)	(9)
Inflammation, Focal	1 [1.0]	2 [1.0]	4 [1.0]	3 [1.0]
Necrosis		1 [1.0]		
Pancreas	(10)	(10)	(10)	(9)
Salivary Glands	(10)	(10)	(10)	(9)
Infiltration Cellular, Lymphocyte			3 [1.3]	
Stomach, Forestomach	(10)	(10)	(10)	(9)
Stomach, Glandular	(10)	(10)	(10)	(9)
Infiltration Cellular, Mixed Cell		1 [2.0]		

CARDIOVASCULAR SYSTEM

Aorta	(10)	(10)	(10)	(9)
Heart	(10)	(10)	(10)	(10)

ENDOCRINE 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: GSM

Time Report Requested: 17:23:20

Route: Whole Body Exposure

CAS Number: CELLPRADGSM

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
Adrenal Cortex	(10)	(10)	(10)	(9)
Adrenal Medulla	(10)	(10)	(10)	(9)
Islets, Pancreatic	(10)	(10)	(10)	(9)
Parathyroid Gland	(7)	(7)	(4)	(3)
Pituitary Gland	(9)	(10)	(10)	(9)
Thyroid Gland	(10)	(10)	(10)	(9)
Infiltration Cellular, Lymphocyte	1 [1.0]			
GENERAL BODY SYSTEM				
None				
GENITAL SYSTEM				
Clitoral Gland	(6)	(6)	(6)	(5)
Ovary	(10)	(10)	(10)	(9)
Uterus	(10)	(10)	(10)	(9)
HEMATOPOIETIC SYSTEM				
Bone Marrow	(10)	(10)	(10)	(9)
Lymph Node, Mandibular	(8)	(10)	(9)	(8)
Lymph Node, Mesenteric	(10)	(10)	(10)	(9)
Spleen	(10)	(10)	(10)	(8)
Thymus	(10)	(10)	(10)	(9)
Hemorrhage		2 [1.0]	3 [1.3]	
INTEGUMENTARY SYSTEM				
Mammary Gland	(10)	(10)	(10)	(9)
Skin	(10)	(10)	(10)	(9)
Hair Follicle, Inflammation, Chronic Active				1 [2.0]

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: GSM

Time Report Requested: 17:23:20

Route: Whole Body Exposure

CAS Number: CELLPRADGSM

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
MUSCULOSKELETAL SYSTEM				
Bone	(10)	(10)	(10)	(9)
Skeletal Muscle	(10)	(10)	(10)	(9)
NERVOUS SYSTEM				
Brain	(10)	(10)	(10)	(10)
Brain Trigeminal Ganglion	(10)	(8)	(10)	(9)
Nerve Trigeminal	(9)	(9)	(10)	(9)
Peripheral Nerve	(1)	(0)	(0)	(0)
Peripheral Nerve, Sciatic	(10)	(10)	(10)	(8)
Spinal Cord	(10)	(10)	(10)	(10)
Cyst, Squamous, Multiple				1
RESPIRATORY SYSTEM				
Lung	(10)	(10)	(10)	(9)
Hemorrhage		1 [1.0]		
Nose	(10)	(10)	(10)	(9)
Trachea	(10)	(10)	(10)	(9)
SPECIAL SENSES SYSTEM				
Eye	(10)	(10)	(10)	(9)
Harderian Gland	(10)	(10)	(10)	(9)
Infiltration Cellular, Lymphocyte				1 [1.0]
URINARY SYSTEM				
Kidney	(10)	(10)	(10)	(10)
Nephropathy, Chronic Progressive		1 [1.0]		
Interstitial, Infiltration Cellular, Lymphocyte			3 [1.0]	

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 - 78

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

Date Report Requested: 08/28/2017

Test Type: CHRONIC

Cell Phone Radiation: GSM

Time Report Requested: 17:23:20

Route: Whole Body Exposure

CAS Number: CELLPRADGSM

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
Urinary Bladder Infiltration Cellular, Lymphocyte	(10)	(10)	(10)	(9) 1 [2.0]

*** 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)