

**Experiment Number:** 20105 - 56

**P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS  
ABRIDGED) (a)**

**Date Report Requested:** 01/02/2018

**Test Type:** CHRONIC

Cell Phone Radiation: CDMA

**Time Report Requested:** 13:31:50

**Route:** Whole Body Exposure

**CAS Number:** CELLPRADCDMA

**First Dose M/F:** 09/16/12 / 09/16/12

**Species/Strain:** RATS/HSD

**Lab:** IIT

Final 2 - Data Changes through 12-15-17 CDMA SSAC Rats Only

**NTP Study Number:** C20105B  
**Lock Date:** 12/29/2015  
**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

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Species/Strain: RATS/HSD

Lab: IIT

Harlan Sprague Dawley RATS MALE

0.0W/kg(CDMA)chr

1.5W/kg(CDMA)chr

3.0W/kg(CDMA)chr

6.0W/kg(CDMA)chr

**Disposition Summary**

<b>Animals Initially In Study</b>	<b>105</b>	<b>105</b>	<b>105</b>	<b>105</b>
<b>Scheduled Sacrifice</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>15</b>
<b>Early Deaths</b>				
<b>Survivors</b>				
<b>Animals Examined Microscopically</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>

## ALIMENTARY SYSTEM

Esophagus	(10)	(10)	(9)	(10)
Intestine Large, Cecum	(10)	(10)	(9)	(10)
Intestine Large, Colon	(10)	(10)	(9)	(10)
Intestine Large, Rectum	(10)	(10)	(10)	(10)
Intestine Small, Duodenum	(10)	(10)	(10)	(10)
Intestine Small, Ileum	(10)	(10)	(9)	(10)
Intestine Small, Jejunum	(10)	(10)	(10)	(10)
Liver	(10)	(10)	(10)	(10)
Pancreas	(10)	(10)	(10)	(10)
Salivary Glands	(10)	(10)	(9)	(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)
Islets, Pancreatic	(10)	(10)	(10)	(10)
Parathyroid Gland	(9)	(9)	(9)	(10)
Pituitary Gland	(10)	(10)	(10)	(10)

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

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Thyroid Gland	(10)	(10)	(9)	(10)
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## GENERAL BODY SYSTEM

None

## GENITAL SYSTEM

Epididymis	(10)	(10)	(10)	(10)
Preputial Gland	(10)	(10)	(10)	(10)
Prostate	(10)	(10)	(10)	(10)
Seminal Vesicle	(10)	(10)	(10)	(10)
Testis	(10)	(10)	(10)	(10)

## HEMATOPOIETIC SYSTEM

Bone Marrow	(10)	(10)	(9)	(10)
Lymph Node	(0)	(0)	(1)	(0)
Lymph Node, Mandibular	(10)	(10)	(9)	(10)
Lymph Node, Mesenteric	(10)	(10)	(9)	(10)
Spleen	(10)	(10)	(9)	(10)
Thymus	(10)	(10)	(10)	(10)

## INTEGUMENTARY SYSTEM

Mammary Gland	(10)	(9)	(10)	(9)
Skin	(10)	(10)	(10)	(10)

## MUSCULOSKELETAL SYSTEM

Bone	(10)	(10)	(9)	(10)
Skeletal Muscle	(10)	(10)	(9)	(10)

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

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## NERVOUS SYSTEM

Brain	(10)	(10)	(10)	(10)
Nerve Trigeminal	(10)	(10)	(10)	(10)
Peripheral Nerve, Sciatic	(10)	(10)	(9)	(10)
Peripheral Nerve, Tibial	(10)	(10)	(9)	(10)
Spinal Cord, Cervical	(10)	(10)	(10)	(10)
Spinal Cord, Lumbar	(10)	(10)	(10)	(10)
Spinal Cord, Thoracic	(10)	(10)	(10)	(10)
Trigeminal Ganglion	(10)	(9)	(10)	(10)

## RESPIRATORY SYSTEM

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

## SPECIAL SENSES SYSTEM

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

## URINARY SYSTEM

Kidney	(10)	(10)	(10)	(10)
Urinary Bladder	(10)	(10)	(10)	(10)

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

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Harlan Sprague Dawley RATS MALE

0.0W/kg(CDMA)chr

1.5W/kg(CDMA)chr

3.0W/kg(CDMA)chr

6.0W/kg(CDMA)chr

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## Tumor Summary for Males

Total Animals with Primary Neoplasms (b)

Total Primary Neoplasms

Total Animals with Benign Neoplasms

Total Benign Neoplasms

Total Animals with Malignant Neoplasms

Total Malignant Neoplasms

Total Animals with Metastatic Neoplasms

Total Metastatic Neoplasms

Total Animals with Malignant Neoplasms

Uncertain Primary Site

Total Animals with Neoplasms Uncertain-

Benign or Malignant

Total Uncertain Neoplasms

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

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

b - Primary tumors: all tumors except metastatic tumors

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Route: Whole Body Exposure

CAS Number: CELLPRADCDMA

First Dose M/F: 09/16/12 / 09/16/12

Species/Strain: RATS/HSD

Lab: IIT

Harlan Sprague Dawley RATS FEMALE

0.0W/kg(CDMA)chr

1.5W/kg(CDMA)chr

3.0W/kg(CDMA)chr

6.0W/kg(CDMA)chr

**Disposition Summary**

<b>Animals Initially In Study</b>	<b>105</b>	<b>105</b>	<b>105</b>	<b>105</b>
<b>Scheduled Sacrifice</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>15</b>
<b>Early Deaths</b>				
<b>Survivors</b>				
<b>Animals Examined Microscopically</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>

## ALIMENTARY SYSTEM

Esophagus	(10)	(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)
Pancreas	(10)	(10)	(10)	(10)
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)
Heart	(10)	(10)	(10)	(10)

## ENDOCRINE SYSTEM

Adrenal Cortex	(10)	(10)	(10)	(10)
Adrenal Medulla	(10)	(10)	(10)	(10)
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Thyroid Gland	(10)	(10)	(10)	(10)

## GENERAL BODY SYSTEM

None

## GENITAL SYSTEM

Clitoral Gland	(10)	(10)	(10)	(10)
Ovary	(10)	(10)	(10)	(10)
Uterus	(10)	(10)	(10)	(10)

## HEMATOPOIETIC SYSTEM

Bone Marrow	(10)	(10)	(10)	(10)
Lymph Node	(0)	(0)	(1)	(0)
Lymph Node, Mandibular	(10)	(10)	(10)	(9)
Lymph Node, Mesenteric	(10)	(10)	(10)	(10)
Spleen	(10)	(10)	(10)	(10)
Thymus	(10)	(10)	(10)	(10)

## INTEGUMENTARY SYSTEM

Mammary Gland	(10)	(10)	(10)	(10)
Adenocarcinoma				1 (10%)
Skin	(10)	(10)	(10)	(10)

## MUSCULOSKELETAL SYSTEM

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

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## URINARY SYSTEM

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Urinary Bladder	(10)	(10)	(10)	(10)



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**P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS ABRIDGED) (a)**

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### Tumor Summary for Females

Total Animals with Primary Neoplasms (b)	1
Total Primary Neoplasms	1
Total Animals with Benign Neoplasms	
Total Benign Neoplasms	
Total Animals with Malignant Neoplasms	1
Total Malignant Neoplasms	1
Total Animals with Metastatic Neoplasms	
Total Metastatic Neoplasms	
Total Animals with Malignant Neoplasms Uncertain Primary Site	
Total Animals with Neoplasms Uncertain- Benign or Malignant	
Total Uncertain Neoplasms	

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

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

b - Primary tumors: all tumors except metastatic tumors