

Experiment Number: 20105 - 75

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

Date Report Requested: 08/24/2017

Test Type: CHRONIC

Cell Phone Radiation: CDMA

Time Report Requested: 13:47:53

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 Core Study

**NTP Study Number:**

C20105B

**Lock Date:**

04/07/2016

**Cage Range:**

ALL

**Date Range:**

ALL

**Reasons For Removal:**

25022 ACCK

25021 TSAC

25020 NATD

25019 MSAC

**Removal Date Range:**

ALL

**Treatment Groups:**

Include ALL

**Study Gender:**

Both

**TDMSE Version:**

3.0.2.4\_cartox

**PWG Approval Date:**

NONE

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Species/Strain: MICE/B6C3F1

Lab: IIT

B6C3F1 MICE MALE	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
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**Disposition Summary**

<b>Animals Initially In Study</b>	<b>105</b>	<b>106</b>	<b>105</b>	<b>105</b>
<b>Early Deaths</b>				
<b>Accidentally Killed</b>			<b>1</b>	
<b>Moribund Sacrifice</b>	<b>8</b>	<b>2</b>	<b>5</b>	<b>3</b>
<b>Natural Death</b>	<b>16</b>	<b>6</b>	<b>13</b>	<b>16</b>
<b>Survivors</b>				
<b>Terminal Sacrifice</b>	<b>66</b>	<b>83</b>	<b>71</b>	<b>71</b>
<b>Animals Examined Microscopically</b>	<b>90</b>	<b>91</b>	<b>90</b>	<b>90</b>

## ALIMENTARY SYSTEM

Esophagus	(88)	(91)	(89)	(88)
Gallbladder	(73)	(80)	(75)	(76)
Intestine Large, Cecum	(81)	(87)	(81)	(80)
Adenoma			1 (1%)	
Intestine Large, Colon	(84)	(88)	(84)	(81)
Adenocarcinoma			1 (1%)	
Intestine Large, Rectum	(84)	(89)	(85)	(85)
Intestine Small, Duodenum	(77)	(86)	(81)	(80)
Adenocarcinoma	1 (1%)			
Intestine Small, Ileum	(81)	(88)	(83)	(81)
Adenoma				1 (1%)
Intestine Small, Jejunum	(79)	(87)	(81)	(82)
Adenocarcinoma	2 (3%)		1 (1%)	2 (2%)
Adenoma				1 (1%)
Hepatocellular Carcinoma, Metastatic, Liver	1 (1%)			
Liver	(90)	(89)	(90)	(90)
Hemangiosarcoma	1 (1%)	4 (4%)	2 (2%)	1 (1%)
Hepatoblastoma	6 (7%)	6 (7%)	15 (17%)	7 (8%)
Hepatoblastoma, Multiple			1 (1%)	
Hepatocellular Adenoma	25 (28%)	23 (26%)	22 (24%)	36 (40%)
Hepatocellular Adenoma, Multiple	27 (30%)	43 (48%)	33 (37%)	26 (29%)
Hepatocellular Carcinoma	26 (29%)	13 (15%)	18 (20%)	24 (27%)
Hepatocellular Carcinoma, Multiple	2 (2%)	5 (6%)	7 (8%)	7 (8%)

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

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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
Hepatocarcinoma	1 (1%)			2 (2%)
Malignant Fibrous Histiocytoma, Metastatic, Skin	1 (1%)			
Sarcoma, Metastatic, Skeletal Muscle				1 (1%)
Mesentery	(12)	(9)	(18)	(16)
Hemangiosarcoma	1 (8%)			
Hepatoblastoma, Metastatic, Liver			1 (6%)	
Malignant Fibrous Histiocytoma, Metastatic, Skin	1 (8%)			
Fat, Hepatocarcinoma, Metastatic, Liver	1 (8%)			
Fat, Lipoma	1 (8%)		2 (11%)	
Pancreas	(87)	(88)	(88)	(88)
Hepatocarcinoma, Metastatic, Liver	1 (1%)			
Salivary Glands	(90)	(90)	(89)	(90)
Stomach, Forestomach	(88)	(89)	(86)	(87)
Squamous Cell Papilloma			1 (1%)	
Stomach, Glandular	(87)	(88)	(87)	(87)
Malignant Fibrous Histiocytoma, Metastatic, Skin	1 (1%)			
Tooth	(27)	(15)	(17)	(23)
<b>CARDIOVASCULAR SYSTEM</b>				
Aorta	(89)	(88)	(90)	(89)
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung	1 (1%)			
Blood Vessel	(1)	(1)	(0)	(0)
Heart	(90)	(91)	(90)	(90)
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung	1 (1%)	1 (1%)		
Hemangioma		1 (1%)		
Hepatocarcinoma, Metastatic, Liver	1 (1%)			1 (1%)
Sarcoma, Metastatic, Skeletal Muscle				1 (1%)

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Species/Strain: MICE/B6C3F1

Lab: IIT

B6C3F1 MICE MALE	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
<b>ENDOCRINE SYSTEM</b>				
Adrenal Cortex	(90)	(89)	(90)	(89)
Bilateral, Malignant Fibrous Histiocytoma, Metastatic, Skin	1 (1%)			
Bilateral, Subcapsular, Adenoma		1 (1%)	1 (1%)	
Subcapsular, Adenoma		1 (1%)	3 (3%)	4 (4%)
Subcapsular, Carcinoma			1 (1%)	
Adrenal Medulla	(90)	(89)	(88)	(89)
Pheochromocytoma Benign				1 (1%)
Islets, Pancreatic	(88)	(90)	(89)	(89)
Adenoma		1 (1%)		
Carcinoma		1 (1%)		
Parathyroid Gland	(68)	(57)	(66)	(65)
Pituitary Gland	(86)	(84)	(89)	(83)
Pars Distalis, Adenoma			2 (2%)	
Pars Distalis, Carcinoma			1 (1%)	
Thyroid Gland	(89)	(89)	(88)	(87)
Follicular Cell, Adenoma		1 (1%)	1 (1%)	1 (1%)

**GENERAL BODY SYSTEM**

Peritoneum	(1)	(0)	(0)	(0)
Hepatocolangiocarcinoma, Metastatic, Liver	1 (100%)			
Tissue NOS	(0)	(1)	(0)	(0)
Fat, Hemangiosarcoma		1 (100%)		

**GENITAL SYSTEM**

Coagulating Gland	(2)	(3)	(0)	(1)
Epididymis	(90)	(91)	(90)	(90)
Preputial Gland	(89)	(89)	(89)	(89)
Prostate	(90)	(86)	(90)	(88)
Seminal Vesicle	(90)	(90)	(90)	(90)
Fibroma	1 (1%)			

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Lab: IIT

B6C3F1 MICE MALE	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Malignant Fibrous Histiocytoma, Metastatic, Skin	1 (1%)			
Testis	(90)	(91)	(88)	(90)
Interstitial Cell, Adenoma	2 (2%)	2 (2%)		

## HEMATOPOIETIC SYSTEM

Bone Marrow	(90)	(90)	(90)	(90)
Hemangiosarcoma			1 (1%)	
Lymph Node	(6)	(6)	(11)	(10)
Axillary, Hepatocholangiocarcinoma, Metastatic, Liver	1 (17%)			
Axillary, Squamous Cell Carcinoma, Metastatic, Skin			1 (9%)	
Bronchial, Sarcoma, Metastatic, Skeletal Muscle				1 (10%)
Lumbar, Squamous Cell Carcinoma, Metastatic, Skin			1 (9%)	
Pancreatic, Hepatoblastoma, Metastatic, Liver			1 (9%)	
Lymph Node, Mandibular	(72)	(70)	(63)	(64)
Lymph Node, Mesenteric	(85)	(88)	(86)	(85)
Hemangioma	1 (1%)			
Hepatoblastoma, Metastatic, Liver			1 (1%)	
Malignant Fibrous Histiocytoma, Metastatic, Skin	1 (1%)			
Spleen	(87)	(89)	(87)	(86)
Hemangiosarcoma		2 (2%)	1 (1%)	2 (2%)
Thymus	(75)	(76)	(80)	(81)

## INTEGUMENTARY SYSTEM

Mammary Gland	(2)	(1)	(0)	(3)
Skin	(90)	(91)	(90)	(90)
Lipoma				1 (1%)
Pilomatrixoma	1 (1%)			
Squamous Cell Carcinoma			1 (1%)	

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Lab: IIT

B6C3F1 MICE MALE	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Squamous Cell Papilloma				1 (1%)
Subcutaneous Tissue, Hemangiosarcoma	1 (1%)			
Subcutaneous Tissue, Lipoma	1 (1%)		1 (1%)	
Subcutaneous Tissue, Malignant Fibrous Histiocytoma	1 (1%)	1 (1%)	2 (2%)	

## MUSCULOSKELETAL SYSTEM

Bone	(90)	(91)	(90)	(90)
Skeletal Muscle	(90)	(91)	(90)	(90)
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung		1 (1%)	1 (1%)	
Hepatoblastoma, Metastatic, Liver			1 (1%)	
Hepatocellular Carcinoma, Metastatic, Liver	1 (1%)			
Hepatocholangiocarcinoma, Metastatic, Liver	1 (1%)			1 (1%)
Malignant Fibrous Histiocytoma, Metastatic, Skin	1 (1%)			
Sarcoma	1 (1%)			1 (1%)
Squamous Cell Carcinoma, Metastatic, Skin			1 (1%)	

## NERVOUS SYSTEM

Brain	(90)	(91)	(90)	(90)
Carcinoma, Metastatic, Pituitary Gland			1 (1%)	
Hepatocholangiocarcinoma, Metastatic, Liver	1 (1%)			
Brain Trigeminal Ganglion	(69)	(79)	(80)	(80)
Nerve Trigeminal	(67)	(57)	(43)	(55)
Peripheral Nerve, Sciatic	(89)	(91)	(87)	(88)
Spinal Cord	(90)	(91)	(90)	(90)

## RESPIRATORY SYSTEM

Lung	(90)	(91)	(90)	(90)
Alveolar/Bronchiolar Adenoma	11 (12%)	8 (9%)	14 (16%)	12 (13%)
Alveolar/Bronchiolar Adenoma, Multiple	2 (2%)		2 (2%)	

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Lab: IIT

B6C3F1 MICE MALE	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Alveolar/Bronchiolar Carcinoma	11 (12%)	13 (14%)	11 (12%)	11 (12%)
Alveolar/Bronchiolar Carcinoma, Multiple	2 (2%)			
Hepatoblastoma, Metastatic, Liver	1 (1%)		2 (2%)	
Hepatocellular Carcinoma, Metastatic, Liver	11 (12%)	4 (4%)	9 (10%)	11 (12%)
Hepatocholangiocarcinoma, Metastatic, Liver	1 (1%)			1 (1%)
Sarcoma, Metastatic, Skeletal Muscle				1 (1%)
Squamous Cell Carcinoma, Metastatic, Skin			1 (1%)	
Nose	(90)	(91)	(90)	(90)
Trachea	(90)	(90)	(90)	(89)

## SPECIAL SENSES SYSTEM

Eye	(90)	(91)	(89)	(90)
Harderian Gland	(88)	(91)	(90)	(88)
Adenocarcinoma	3 (3%)	3 (3%)	1 (1%)	2 (2%)
Adenoma	6 (7%)	4 (4%)	4 (4%)	4 (5%)

## URINARY SYSTEM

Kidney	(90)	(89)	(90)	(90)
Hepatocellular Carcinoma, Metastatic, Liver	1 (1%)			
Hepatocholangiocarcinoma, Metastatic, Liver	1 (1%)			
Malignant Fibrous Histiocytoma, Metastatic, Skin	1 (1%)			
Sarcoma, Metastatic, Skeletal Muscle				1 (1%)
Renal Tubule, Adenoma				1 (1%)
Ureter	(0)	(0)	(1)	(0)
Urinary Bladder	(87)	(90)	(90)	(89)

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

\* Number of animals with any tissue examined microscopically

Experiment Number: 20105 - 75

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

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Time Report Requested: 13:47:53

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CAS Number: CELLPRADCDMA

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

Species/Strain: MICE/B6C3F1

Lab: IIT

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B6C3F1 MICE MALE	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
<hr/>				
SYSTEMIC LESIONS				
Multiple Organ	*(90)	*(91)	*(90)	*(90)
Histiocytic Sarcoma		2 (2%)	1 (1%)	2 (2%)
Leukemia Granulocytic				1 (1%)
Lymphoma Malignant	6 (7%)	3 (3%)	5 (6%)	4 (4%)
Mast Cell Tumor	1 (1%)			

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\* Number of animals with any tissue examined microscopically



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Species/Strain: MICE/B6C3F1

Lab: IIT

B6C3F1 MICE MALE	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
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**Tumor Summary for Males**

Total Animals with Primary Neoplasms (b)	79	80	82	84
Total Primary Neoplasms	144	139	157	155
Total Animals with Benign Neoplasms	61	70	63	70
Total Benign Neoplasms	77	85	87	89
Total Animals with Malignant Neoplasms	49	42	58	50
Total Malignant Neoplasms	66	54	70	66
Total Animals with Metastatic Neoplasms	14	6	14	13
Total Metastatic Neoplasms	34	6	21	19
Total Animals with Malignant Neoplasms Uncertain Primary Site				
Total Animals with Neoplasms Uncertain- Benign or Malignant	1			
Total Uncertain Neoplasms	1			

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

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b - Primary tumors: all tumors except metastatic tumors

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B6C3F1 MICE FEMALE	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
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**Disposition Summary**

<b>Animals Initially In Study</b>	<b>105</b>	<b>104</b>	<b>105</b>	<b>105</b>
<b>Early Deaths</b>				
<b>Moribund Sacrifice</b>	<b>9</b>	<b>5</b>	<b>4</b>	<b>4</b>
<b>Natural Death</b>	<b>14</b>	<b>9</b>	<b>16</b>	<b>14</b>
<b>Survivors</b>				
<b>Natural Death</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>1</b>
<b>Terminal Sacrifice</b>	<b>66</b>	<b>72</b>	<b>69</b>	<b>71</b>
<b>Animals Examined Microscopically</b>	<b>90</b>	<b>89</b>	<b>90</b>	<b>90</b>

## ALIMENTARY SYSTEM

Esophagus	(87)	(88)	(87)	(87)
Gallbladder	(79)	(75)	(72)	(73)
Intestine Large, Cecum	(84)	(82)	(80)	(81)
Fibrosarcoma, Metastatic, Skin	1 (1%)			
Intestine Large, Colon	(84)	(85)	(85)	(86)
Intestine Large, Rectum	(88)	(86)	(84)	(88)
Fibrosarcoma, Metastatic, Skin	1 (1%)			
Osteosarcoma, Metastatic, Skin	1 (1%)			
Intestine Small, Duodenum	(82)	(81)	(80)	(77)
Fibrosarcoma, Metastatic, Skin	1 (1%)			
Intestine Small, Ileum	(83)	(82)	(76)	(81)
Intestine Small, Jejunum	(84)	(81)	(80)	(77)
Liver	(89)	(88)	(90)	(90)
Fibrosarcoma, Metastatic, Skin	1 (1%)			
Hemangiosarcoma		1 (1%)		
Hepatoblastoma	1 (1%)			
Hepatocellular Adenoma	14 (16%)	20 (23%)	17 (19%)	13 (14%)
Hepatocellular Adenoma, Multiple	5 (6%)	4 (5%)	5 (6%)	7 (8%)
Hepatocellular Carcinoma	6 (7%)	5 (6%)	3 (3%)	5 (6%)
Hepatocellular Carcinoma, Multiple	2 (2%)		2 (2%)	
Hepatocholangiocarcinoma			1 (1%)	
Osteosarcoma, Metastatic, Bone	1 (1%)			1 (1%)
Osteosarcoma, Metastatic, Brain		1 (1%)		

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Lab: IIT

B6C3F1 MICE FEMALE	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Osteosarcoma, Metastatic, Skin	1 (1%)			
Sarcoma, Metastatic, Skeletal Muscle		1 (1%)		
Mesentery	(29)	(24)	(34)	(24)
Fibrosarcoma, Metastatic, Skin	1 (3%)			
Leiomyosarcoma, Metastatic, Uterus				1 (4%)
Renal Mesenchymal Tumor, Metastatic, Kidney	1 (3%)			
Sarcoma, Metastatic, Skeletal Muscle		1 (4%)		
Fat, Hemangioma	1 (3%)			
Fat, Lipoma		2 (8%)	1 (3%)	
Pancreas	(87)	(86)	(85)	(84)
Fibrosarcoma, Metastatic, Skin	1 (1%)			
Leiomyosarcoma, Metastatic, Uterus				1 (1%)
Renal Mesenchymal Tumor, Metastatic, Kidney	1 (1%)			
Acinus, Adenoma			1 (1%)	
Salivary Glands	(89)	(88)	(87)	(89)
Stomach, Forestomach	(86)	(88)	(87)	(87)
Fibrosarcoma, Metastatic, Skin	1 (1%)			
Leiomyosarcoma, Metastatic, Uterus				1 (1%)
Squamous Cell Papilloma	1 (1%)	1 (1%)		1 (1%)
Stomach, Glandular	(85)	(88)	(85)	(83)
Fibrosarcoma, Metastatic, Skin	1 (1%)			

## CARDIOVASCULAR SYSTEM

Aorta	(84)	(87)	(89)	(90)
Heart	(90)	(89)	(90)	(90)
Osteosarcoma, Metastatic, Bone			1 (1%)	1 (1%)
Osteosarcoma, Metastatic, Skin	1 (1%)			
Sarcoma, Metastatic, Skeletal Muscle		1 (1%)		

## ENDOCRINE SYSTEM

Adrenal Cortex	(84)	(88)	(87)	(88)
Adenoma	1 (1%)			
Adrenal Medulla	(83)	(87)	(84)	(84)

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B6C3F1 MICE FEMALE	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Pheochromocytoma Benign				1 (1%)
Pheochromocytoma Malignant	2 (2%)			
Bilateral, Pheochromocytoma Benign			1 (1%)	
Islets, Pancreatic	(87)	(88)	(89)	(87)
Adenoma				1 (1%)
Carcinoma	1 (1%)			
Parathyroid Gland	(60)	(59)	(65)	(68)
Pituitary Gland	(80)	(79)	(88)	(86)
Pars Distalis, Adenoma	6 (8%)	8 (10%)	8 (9%)	1 (1%)
Pars Distalis, Carcinoma				1 (1%)
Pars Distalis, Fibrosarcoma, Metastatic, Skin				1 (1%)
Thyroid Gland	(86)	(87)	(88)	(88)
C-cell, Carcinoma	1 (1%)			
Follicular Cell, Adenoma		2 (2%)	1 (1%)	1 (1%)

## GENERAL BODY SYSTEM

Tissue NOS	(1)	(1)	(1)	(0)
Hemangiosarcoma		1 (100%)		
Abdominal, Osteosarcoma, Metastatic, Skin	1 (100%)			

## GENITAL SYSTEM

Clitoral Gland	(82)	(82)	(81)	(82)
Ovary	(75)	(84)	(84)	(83)
Adenocarcinoma, Metastatic, Uterus		2 (2%)		
Cystadenoma	2 (3%)	2 (2%)	6 (7%)	6 (7%)
Granulosa Cell Tumor Benign	1 (1%)			
Hemangioma	2 (3%)			1 (1%)
Luteoma			2 (2%)	1 (1%)
Teratoma Benign			1 (1%)	
Thecoma Malignant	1 (1%)			
Tubulostromal Adenoma			1 (1%)	
Uterus	(89)	(89)	(88)	(90)
Adenocarcinoma		2 (2%)		1 (1%)

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B6C3F1 MICE FEMALE	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
Adenoma			1 (1%)	
Fibroma	1 (1%)			
Fibrosarcoma, Metastatic, Skin	1 (1%)			
Granular Cell Tumor Malignant		1 (1%)		
Hemangiosarcoma		1 (1%)		1 (1%)
Leiomyoma	1 (1%)			
Leiomyosarcoma		1 (1%)	1 (1%)	2 (2%)
Polyp Stromal				1 (1%)

## HEMATOPOIETIC SYSTEM

Bone Marrow	(90)	(89)	(89)	(89)
Hemangiosarcoma			1 (1%)	
Lymph Node	(18)	(21)	(18)	(18)
Bronchial, Adenocarcinoma, Metastatic, Uterus		1 (5%)		
Bronchial, Alveolar/Bronchiolar Carcinoma, Metastatic, Lung	1 (6%)			
Bronchial, Fibrosarcoma, Metastatic, Skin	1 (6%)			
Iliac, Hemangiosarcoma		1 (5%)		
Lumbar, Leiomyosarcoma, Metastatic, Uterus				1 (6%)
Pancreatic, Adenocarcinoma, Metastatic, Uterus		1 (5%)		
Lymph Node, Mandibular	(76)	(79)	(76)	(73)
Lymph Node, Mesenteric	(71)	(86)	(75)	(81)
Adenocarcinoma, Metastatic, Uterus		1 (1%)		
Fibrosarcoma, Metastatic, Skin	1 (1%)			
Hemangiosarcoma		1 (1%)		
Leiomyosarcoma, Metastatic, Uterus				1 (1%)
Renal Mesenchymal Tumor, Metastatic, Kidney	1 (1%)			
Sarcoma, Metastatic, Skeletal Muscle		1 (1%)		
Spleen	(86)	(87)	(86)	(88)
Hemangiosarcoma		3 (3%)	2 (2%)	1 (1%)
Leiomyosarcoma, Metastatic, Uterus				1 (1%)
Thymus	(85)	(83)	(82)	(82)
Osteosarcoma, Metastatic, Bone			1 (1%)	

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

Test Type: CHRONIC

Cell Phone Radiation: CDMA

Time Report Requested: 13:47:53

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
<b>INTEGUMENTARY SYSTEM</b>				
Mammary Gland	(85)	(87)	(90)	(88)
Adenocarcinoma				2 (2%)
Adenoma		1 (1%)	2 (2%)	
Skin	(90)	(89)	(90)	(90)
Squamous Cell Carcinoma				1 (1%)
Subcutaneous Tissue, Fibroma	1 (1%)			
Subcutaneous Tissue, Fibroma, Multiple				1 (1%)
Subcutaneous Tissue, Fibrosarcoma	3 (3%)	1 (1%)	3 (3%)	2 (2%)
Subcutaneous Tissue, Fibrosarcoma, Multiple				1 (1%)
Subcutaneous Tissue, Hemangioma		1 (1%)		
Subcutaneous Tissue, Hemangiosarcoma	2 (2%)			1 (1%)
Subcutaneous Tissue, Lipoma	1 (1%)			
Subcutaneous Tissue, Malignant Fibrous Histiocytoma		1 (1%)	1 (1%)	
Subcutaneous Tissue, Osteosarcoma	1 (1%)			
Subcutaneous Tissue, Sarcoma	2 (2%)			

**MUSCULOSKELETAL SYSTEM**

Bone	(90)	(89)	(90)	(89)
Hemangioma	1 (1%)			
Osteosarcoma	1 (1%)	2 (2%)	1 (1%)	2 (2%)
Skeletal Muscle	(89)	(89)	(90)	(90)
Adenocarcinoma, Metastatic, Uterus		1 (1%)		
Hemangiosarcoma		2 (2%)		
Leiomyosarcoma, Metastatic, Uterus				1 (1%)
Osteosarcoma	1 (1%)			
Sarcoma		1 (1%)		

**NERVOUS SYSTEM**

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

Test Type: CHRONIC

Cell Phone Radiation: CDMA

Time Report Requested: 13:47:53

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
Brain	(87)	(88)	(90)	(90)
Carcinoma, Metastatic, Pituitary Gland				1 (1%)
Fibrosarcoma, Metastatic, Skin				1 (1%)
Osteosarcoma, Metastatic, Skeletal Muscle	1 (1%)			
Osteosarcoma, Metastatic, Uncertain Primary Site		1 (1%)		
Brain Trigeminal Ganglion	(75)	(82)	(75)	(74)
Nerve Trigeminal	(56)	(30)	(52)	(51)
Peripheral Nerve, Sciatic	(88)	(88)	(89)	(88)
Spinal Cord	(90)	(89)	(90)	(90)
Osteosarcoma, Metastatic, Bone				1 (1%)

## RESPIRATORY SYSTEM

Lung	(90)	(89)	(90)	(90)
Alveolar/Bronchiolar Adenoma	3 (3%)	6 (7%)	4 (4%)	1 (1%)
Alveolar/Bronchiolar Adenoma, Multiple				1 (1%)
Alveolar/Bronchiolar Carcinoma	3 (3%)	3 (3%)	3 (3%)	5 (6%)
Carcinoma, Metastatic, Thyroid Gland	1 (1%)			
Fibrosarcoma, Metastatic, Skin	1 (1%)		1 (1%)	
Granular Cell Tumor Malignant, Metastatic, Uterus		1 (1%)		
Hepatocellular Carcinoma, Metastatic, Liver	2 (2%)		1 (1%)	
Osteosarcoma, Metastatic, Bone	1 (1%)	1 (1%)	1 (1%)	2 (2%)
Osteosarcoma, Metastatic, Brain		1 (1%)		
Osteosarcoma, Metastatic, Skeletal Muscle	1 (1%)			
Osteosarcoma, Metastatic, Skin	1 (1%)			
Sarcoma, Metastatic, Skeletal Muscle		1 (1%)		
Squamous Cell Carcinoma, Metastatic, Skin				1 (1%)
Mediastinum	(2)	(0)	(0)	(0)
Hepatocellular Carcinoma, Metastatic, Liver	1 (50%)			
Nose	(89)	(89)	(90)	(90)
Respiratory Epithelium, Adenoma				1 (1%)
Trachea	(90)	(87)	(89)	(88)

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Test Type: CHRONIC

Cell Phone Radiation: CDMA

Time Report Requested: 13:47:53

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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
<b>SPECIAL SENSES SYSTEM</b>				
Eye	(89)	(89)	(90)	(89)
Harderian Gland	(89)	(88)	(89)	(89)
Adenocarcinoma		1 (1%)	1 (1%)	2 (2%)
Adenoma	4 (4%)	8 (9%)	8 (9%)	4 (4%)
<b>URINARY SYSTEM</b>				
Kidney	(89)	(89)	(88)	(87)
Adenocarcinoma, Metastatic, Uterus		1 (1%)		
Renal Mesenchymal Tumor	1 (1%)			
Renal Tubule, Adenoma	2 (2%)			
Urinary Bladder	(86)	(86)	(83)	(85)
<b>SYSTEMIC LESIONS</b>				
Multiple Organ	*(90)	*(89)	*(90)	*(90)
Histiocytic Sarcoma	8 (9%)	3 (3%)	2 (2%)	7 (8%)
Leukemia Erythrocytic		1 (1%)		
Leukemia Granulocytic			2 (2%)	
Lymphoma Malignant	2 (2%)	9 (10%)	6 (7%)	7 (8%)

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

\* Number of animals with any tissue examined microscopically



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Species/Strain: MICE/B6C3F1

Lab: IIT

B6C3F1 MICE FEMALE	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
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**Tumor Summary for Females**

Total Animals with Primary Neoplasms (b)	59	62	56	56
Total Primary Neoplasms	85	96	88	83
Total Animals with Benign Neoplasms	36	42	43	32
Total Benign Neoplasms	47	55	59	42
Total Animals with Malignant Neoplasms	33	32	26	36
Total Malignant Neoplasms	38	41	29	41
Total Animals with Metastatic Neoplasms	9	6	3	6
Total Metastatic Neoplasms	29	17	5	16
Total Animals with Malignant Neoplasms Uncertain Primary Site		1		
Total Animals with Neoplasms Uncertain- Benign or Malignant				
Total Uncertain Neoplasms				

\*\*\* 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