

Experiment Number: 10034 - 03

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

Date Report Requested: 08/16/2017

Test Type: CHRONIC

Bisphenol A

Time Report Requested: 10:20:03

Route: GAVAGE

CAS Number: 80-05-7

First Dose M/F: 09/25/12 / 09/25/12

Species/Strain: RATS/Sprague Dawley (NCTR)

Lab: NCTR

NTP Study Number: C10034
Lock Date: 08/16/2017
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 3.0.2.3_002
PWG Approval Date: 09/29/2017

Test Type: CHRONIC

Bisphenol A

Time Report Requested: 10:20:03

Route: GAVAGE

CAS Number: 80-05-7

First Dose M/F: 09/25/12 / 09/25/12

Species/Strain: RATS/Sprague Dawley (NCTR)

Lab: NCTR

Sprague Dawley (NCTR)
RATS MALE

F1 Veh. Ctrl M

F1 2.5 BPA M

F1 25.0 BPA M

F1 250.0 BPA M

F1 2500.BPA M

F1 25000 BPA M

Disposition Summary

Animals Initially In Study	22	22	20	24	20	22
Early Deaths						
Interval Sacrifice	18	22	18	24	18	21
Moribund Sacrifice	4		1			
Natural Death			1		2	1
Survivors						
Animals Examined Microscopically	22	22	20	24	20	22

ALIMENTARY SYSTEM

Esophagus	(4)	(1)	(2)	(0)	(2)	(1)
Intestine Large, Colon	(4)	(0)	(2)	(0)	(0)	(0)
Intestine Small, Ileum	(4)	(0)	(2)	(0)	(0)	(0)
Intestine Small, Jejunum	(0)	(0)	(0)	(0)	(0)	(1)
Adenocarcinoma						1 (100%)
Adenoma						
Liver	(22)	(22)	(20)	(24)	(19)	(22)
Hepatocellular Adenoma						
Mesentery	(1)	(0)	(1)	(1)	(0)	(0)
Pancreas	(22)	(22)	(20)	(24)	(19)	(22)
Stomach, Forestomach	(5)	(0)	(3)	(0)	(1)	(1)
Stomach, Glandular	(4)	(0)	(2)	(0)	(0)	(1)

CARDIOVASCULAR SYSTEM

Blood Vessel	(22)	(22)	(20)	(24)	(20)	(22)
Heart	(22)	(22)	(20)	(24)	(20)	(22)
Schwannoma Malignant						

ENDOCRINE SYSTEM

Adrenal Cortex	(22)	(22)	(20)	(24)	(20)	(22)
Adrenal Medulla	(22)	(22)	(20)	(24)	(20)	(22)

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

Test Type: CHRONIC

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CAS Number: 80-05-7

First Dose M/F: 09/25/12 / 09/25/12

Species/Strain: RATS/Sprague Dawley (NCTR)

Lab: NCTR

Sprague Dawley (NCTR) RATS MALE	F1 Veh. Ctrl M	F1 2.5 BPA M	F1 25.0 BPA M	F1 250.0 BPA M	F1 2500.BPA M	F1 25000 BPA M
Islets, Pancreatic	(22)	(22)	(20)	(24)	(19)	(22)
Parathyroid Gland	(22)	(21)	(19)	(24)	(19)	(21)
Adenoma		1 (5%)				
Pituitary Gland	(22)	(22)	(20)	(24)	(20)	(22)
Pars Distalis, Adenoma					1 (5%)	1 (5%)
Thyroid Gland	(22)	(22)	(20)	(24)	(18)	(21)

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Coagulating Gland	(22)	(22)	(20)	(24)	(18)	(21)
Ductus Deferens	(0)	(0)	(0)	(0)	(0)	(0)
Epididymis	(22)	(22)	(20)	(24)	(20)	(22)
Fat Pad, Epididymal	(0)	(1)	(0)	(1)	(1)	(0)
Preputial Gland	(2)	(3)	(3)	(1)	(1)	(1)
Prostate, Dorsal/lateral Lobe	(22)	(22)	(20)	(24)	(20)	(22)
Prostate, Ventral Lobe	(22)	(22)	(20)	(24)	(20)	(22)
Seminal Vesicle	(22)	(22)	(20)	(24)	(18)	(21)
Testes	(22)	(22)	(20)	(24)	(20)	(22)

HEMATOPOIETIC SYSTEM

Bone Marrow	(22)	(22)	(20)	(24)	(18)	(22)
Lymph Node	(2)	(1)	(0)	(0)	(1)	(0)
Lymph Node, Mandibular	(2)	(1)	(0)	(0)	(2)	(0)
Lymph Node, Mesenteric	(2)	(0)	(0)	(0)	(0)	(0)
Spleen	(22)	(22)	(20)	(24)	(18)	(22)
Thymus	(22)	(22)	(20)	(24)	(19)	(21)

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

Test Type: CHRONIC

Bisphenol A

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First Dose M/F: 09/25/12 / 09/25/12

Species/Strain: RATS/Sprague Dawley (NCTR)

Lab: NCTR

Sprague Dawley (NCTR) RATS MALE	F1 Veh. Ctrl M	F1 2.5 BPA M	F1 25.0 BPA M	F1 250.0 BPA M	F1 2500.BPA M	F1 25000 BPA M
INTEGUMENTARY SYSTEM						
Mammary Gland	(22)	(21)	(20)	(24)	(19)	(22)
Skin	(1)	(2)	(0)	(1)	(1)	(0)
Schwannoma Benign						
Squamous Cell Papilloma	1 (100%)					
Subcutaneous Tissue, Fibrosarcoma						
Subcutaneous Tissue, Lipoma						
MUSCULOSKELETAL SYSTEM						
Bone	(0)	(0)	(0)	(1)	(0)	(0)
Bone, Femur	(22)	(22)	(20)	(24)	(20)	(22)
Skeletal Muscle	(1)	(0)	(1)	(0)	(0)	(0)
Sarcoma	1 (100%)					
NERVOUS SYSTEM						
Brain, Brain Stem	(22)	(22)	(20)	(24)	(20)	(22)
Brain, Cerebellum	(22)	(22)	(20)	(24)	(20)	(22)
Brain, Cerebrum	(22)	(22)	(20)	(24)	(20)	(22)
Nerve Trigeminal	(2)	(2)	(0)	(1)	(1)	(1)
Peripheral Nerve, Sciatic	(2)	(2)	(0)	(1)	(1)	(1)
Peripheral Nerve, Tibial	(2)	(2)	(0)	(1)	(1)	(1)
Spinal Cord, Cervical	(2)	(2)	(0)	(1)	(1)	(1)
Spinal Cord, Lumbar	(2)	(2)	(0)	(1)	(1)	(1)
Spinal Cord, Thoracic	(2)	(2)	(0)	(1)	(1)	(1)
RESPIRATORY SYSTEM						
Lung	(5)	(0)	(3)	(2)	(2)	(1)
Sarcoma, Metastatic, Skeletal Muscle	1 (20%)					
Nose	(4)	(0)	(2)	(0)	(0)	(0)
Trachea	(4)	(0)	(2)	(0)	(0)	(0)

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

Experiment Number: 10034 - 03

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

Date Report Requested: 08/16/2017

Test Type: CHRONIC

Bisphenol A

Time Report Requested: 10:20:03

Route: GAVAGE

CAS Number: 80-05-7

First Dose M/F: 09/25/12 / 09/25/12

Species/Strain: RATS/Sprague Dawley (NCTR)

Lab: NCTR

Sprague Dawley (NCTR)
RATS MALE

F1 Veh. Ctrl M

F1 2.5 BPA M

F1 25.0 BPA M

F1 250.0 BPA M

F1 2500.BPA M

F1 25000 BPA M

SPECIAL SENSES SYSTEM

None

URINARY SYSTEM

Kidney	(22)	(22)	(20)	(24)	(19)	(22)
Urinary Bladder	(1)	(0)	(0)	(0)	(0)	(0)

SYSTEMIC LESIONS

Multiple Organ	*(22)	*(22)	*(20)	*(24)	*(20)	*(22)
Leukemia Granulocytic						
Lymphoma Malignant	2 (9%)					

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

* Number of animals with any tissue examined microscopically

Test Type: CHRONIC

Bisphenol A

Time Report Requested: 10:20:03

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First Dose M/F: 09/25/12 / 09/25/12

Species/Strain: RATS/Sprague Dawley (NCTR)

Lab: NCTR

Sprague Dawley (NCTR)
RATS MALE

F1 0.05 EE2 M

F1 0.50 EE2 M

F1 Veh.StDose M

F1 2.5 StDose M

F1 25.0 StDose M

F1 250.0StDose M

Disposition Summary

Animals Initially In Study	26	26	20	20	20	19
Early Deaths						
Interval Sacrifice	22	23	20	20	19	19
Moribund Sacrifice	2					
Natural Death	2	3			1	
Survivors						
Animals Examined Microscopically	26	26	20	20	20	19

ALIMENTARY SYSTEM

Esophagus	(4)	(3)	(0)	(0)	(1)	(0)
Intestine Large, Colon	(3)	(0)	(0)	(0)	(0)	(0)
Intestine Small, Ileum	(3)	(0)	(0)	(0)	(0)	(0)
Intestine Small, Jejunum	(0)	(1)	(0)	(1)	(1)	(1)
Adenocarcinoma					1 (100%)	
Adenoma				1 (100%)		
Liver	(26)	(26)	(20)	(20)	(20)	(19)
Hepatocellular Adenoma			1 (5%)	1 (5%)		
Mesentery	(0)	(0)	(2)	(0)	(1)	(0)
Pancreas	(26)	(25)	(20)	(20)	(20)	(19)
Stomach, Forestomach	(4)	(3)	(0)	(0)	(1)	(0)
Stomach, Glandular	(4)	(1)	(0)	(0)	(1)	(0)

CARDIOVASCULAR SYSTEM

Blood Vessel	(26)	(26)	(20)	(20)	(20)	(19)
Heart	(26)	(26)	(20)	(20)	(20)	(19)
Schwannoma Malignant						1 (5%)

ENDOCRINE SYSTEM

Adrenal Cortex	(26)	(26)	(20)	(20)	(20)	(19)
Adrenal Medulla	(26)	(26)	(20)	(20)	(20)	(19)

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

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Species/Strain: RATS/Sprague Dawley (NCTR)

Lab: NCTR

Sprague Dawley (NCTR) RATS MALE	F1 0.05 EE2 M	F1 0.50 EE2 M	F1 Veh.StDose M	F1 2.5 StDose M	F1 25.0 StDose M	F1 250.0StDose M
Islets, Pancreatic	(26)	(26)	(20)	(20)	(20)	(19)
Parathyroid Gland	(26)	(26)	(20)	(20)	(19)	(19)
Adenoma						
Pituitary Gland	(26)	(26)	(20)	(20)	(20)	(19)
Pars Distalis, Adenoma			1 (5%)	1 (5%)		1 (5%)
Thyroid Gland	(25)	(24)	(20)	(20)	(20)	(19)

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Coagulating Gland	(26)	(24)	(20)	(20)	(20)	(19)
Ductus Deferens	(0)	(1)	(0)	(0)	(0)	(0)
Epididymis	(26)	(26)	(20)	(20)	(20)	(19)
Fat Pad, Epididymal	(0)	(1)	(0)	(0)	(0)	(0)
Preputial Gland	(1)	(2)	(0)	(0)	(0)	(1)
Prostate, Dorsal/lateral Lobe	(26)	(26)	(20)	(20)	(20)	(18)
Prostate, Ventral Lobe	(26)	(26)	(20)	(20)	(20)	(18)
Seminal Vesicle	(26)	(24)	(20)	(20)	(20)	(19)
Testes	(26)	(25)	(20)	(20)	(20)	(19)

HEMATOPOIETIC SYSTEM

Bone Marrow	(26)	(26)	(20)	(20)	(20)	(19)
Lymph Node	(0)	(0)	(0)	(0)	(0)	(1)
Lymph Node, Mandibular	(1)	(0)	(0)	(0)	(1)	(1)
Lymph Node, Mesenteric	(1)	(0)	(0)	(1)	(0)	(0)
Spleen	(25)	(25)	(20)	(20)	(20)	(19)
Thymus	(26)	(24)	(20)	(20)	(20)	(19)

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

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Species/Strain: RATS/Sprague Dawley (NCTR)

Lab: NCTR

Sprague Dawley (NCTR) RATS MALE	F1 0.05 EE2 M	F1 0.50 EE2 M	F1 Veh.StDose M	F1 2.5 StDose M	F1 25.0 StDose M	F1 250.0StDose M
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INTEGUMENTARY SYSTEM

Mammary Gland	(26)	(25)	(19)	(20)	(20)	(19)
Skin	(1)	(0)	(1)	(0)	(0)	(3)
Schwannoma Benign			1 (100%)			
Squamous Cell Papilloma						
Subcutaneous Tissue, Fibrosarcoma						
Subcutaneous Tissue, Lipoma						1 (33%)

MUSCULOSKELETAL SYSTEM

Bone	(0)	(0)	(0)	(0)	(0)	(0)
Bone, Femur	(26)	(26)	(20)	(20)	(20)	(19)
Skeletal Muscle	(0)	(0)	(0)	(0)	(0)	(0)
Sarcoma						

NERVOUS SYSTEM

Brain, Brain Stem	(26)	(26)	(20)	(20)	(20)	(19)
Brain, Cerebellum	(26)	(26)	(20)	(20)	(20)	(19)
Brain, Cerebrum	(26)	(26)	(20)	(20)	(20)	(19)
Nerve Trigeminal	(2)	(1)	(0)	(0)	(0)	(0)
Peripheral Nerve, Sciatic	(2)	(1)	(0)	(0)	(0)	(0)
Peripheral Nerve, Tibial	(2)	(1)	(0)	(0)	(0)	(0)
Spinal Cord, Cervical	(2)	(1)	(0)	(0)	(0)	(0)
Spinal Cord, Lumbar	(2)	(1)	(0)	(0)	(0)	(0)
Spinal Cord, Thoracic	(2)	(1)	(0)	(0)	(0)	(0)

RESPIRATORY SYSTEM

Lung	(4)	(3)	(1)	(1)	(1)	(0)
Sarcoma, Metastatic, Skeletal Muscle						
Nose	(4)	(3)	(0)	(0)	(1)	(0)
Trachea	(3)	(2)	(0)	(0)	(1)	(0)

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

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Species/Strain: RATS/Sprague Dawley (NCTR)

Lab: NCTR

Sprague Dawley (NCTR)
RATS MALE

F1 0.05 EE2 M

F1 0.50 EE2 M

F1 Veh.StDose M

F1 2.5 StDose M

F1 25.0 StDose M

F1 250.0StDose M

SPECIAL SENSES SYSTEM

None

URINARY SYSTEM

Kidney	(26)	(25)	(20)	(20)	(20)	(19)
Urinary Bladder	(1)	(0)	(0)	(0)	(0)	(0)

SYSTEMIC LESIONS

Multiple Organ	*(26)	*(26)	*(20)	*(20)	*(20)	*(19)
Leukemia Granulocytic				1 (5%)		
Lymphoma Malignant		1 (4%)				

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

* Number of animals with any tissue examined microscopically

Experiment Number: 10034 - 03

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Species/Strain: RATS/Sprague Dawley (NCTR)

Lab: NCTR

Sprague Dawley (NCTR)
RATS MALE

F1 2500.StDose M

F1 25000StDose M

Disposition Summary

Animals Initially In Study	20	22
Early Deaths		
Interval Sacrifice	20	22
Moribund Sacrifice		
Natural Death		
Survivors		
Animals Examined Microscopically	20	22

ALIMENTARY SYSTEM

Esophagus	(0)	(0)
Intestine Large, Colon	(0)	(0)
Intestine Small, Ileum	(0)	(0)
Intestine Small, Jejunum	(0)	(0)
Adenocarcinoma		
Adenoma		
Liver	(20)	(22)
Hepatocellular Adenoma		
Mesentery	(1)	(0)
Pancreas	(20)	(22)
Stomach, Forestomach	(0)	(0)
Stomach, Glandular	(0)	(0)

CARDIOVASCULAR SYSTEM

Blood Vessel	(20)	(22)
Heart	(20)	(22)
Schwannoma Malignant		

ENDOCRINE SYSTEM

Adrenal Cortex	(20)	(22)
Adrenal Medulla	(20)	(22)

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

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Lab: NCTR

Sprague Dawley (NCTR) RATS MALE	F1 2500.StDose M	F1 25000StDose M
Islets, Pancreatic	(20)	(22)
Parathyroid Gland	(19)	(22)
Adenoma		
Pituitary Gland	(20)	(22)
Pars Distalis, Adenoma	1 (5%)	
Thyroid Gland	(20)	(22)

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Coagulating Gland	(20)	(22)
Ductus Deferens	(0)	(0)
Epididymis	(20)	(22)
Fat Pad, Epididymal	(1)	(1)
Preputial Gland	(0)	(0)
Prostate, Dorsal/lateral Lobe	(20)	(22)
Prostate, Ventral Lobe	(20)	(22)
Seminal Vesicle	(20)	(22)
Testes	(20)	(22)

HEMATOPOIETIC SYSTEM

Bone Marrow	(20)	(22)
Lymph Node	(0)	(0)
Lymph Node, Mandibular	(1)	(0)
Lymph Node, Mesenteric	(0)	(0)
Spleen	(20)	(22)
Thymus	(20)	(22)

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Lab: NCTR

Sprague Dawley (NCTR) RATS MALE	F1 2500.StDose M	F1 25000StDose M
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INTEGUMENTARY SYSTEM

Mammary Gland	(17)	(22)
Skin	(1)	(0)
Schwannoma Benign		
Squamous Cell Papilloma		
Subcutaneous Tissue, Fibrosarcoma	1 (100%)	
Subcutaneous Tissue, Lipoma		

MUSCULOSKELETAL SYSTEM

Bone	(0)	(0)
Bone, Femur	(20)	(22)
Skeletal Muscle	(0)	(0)
Sarcoma		

NERVOUS SYSTEM

Brain, Brain Stem	(20)	(22)
Brain, Cerebellum	(20)	(22)
Brain, Cerebrum	(20)	(22)
Nerve Trigeminal	(0)	(0)
Peripheral Nerve, Sciatic	(0)	(0)
Peripheral Nerve, Tibial	(0)	(0)
Spinal Cord, Cervical	(0)	(0)
Spinal Cord, Lumbar	(0)	(0)
Spinal Cord, Thoracic	(0)	(0)

RESPIRATORY SYSTEM

Lung	(0)	(2)
Sarcoma, Metastatic, Skeletal Muscle		
Nose	(0)	(0)
Trachea	(0)	(0)

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

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Lab: NCTR

Sprague Dawley (NCTR)
RATS MALE

F1 2500.StDose M

F1 25000StDose M

SPECIAL SENSES SYSTEM

None

URINARY SYSTEM

Kidney	(20)	(22)
Urinary Bladder	(0)	(0)

SYSTEMIC LESIONS

Multiple Organ	*(20)	*(22)
Leukemia Granulocytic		
Lymphoma Malignant		

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

* Number of animals with any tissue examined microscopically

Experiment Number: 10034 - 03

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Route: GAVAGE

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Species/Strain: RATS/Sprague Dawley (NCTR)

Lab: NCTR

Sprague Dawley (NCTR)
RATS MALE

F1 Veh. Ctrl M

F1 2.5 BPA M

F1 25.0 BPA M

F1 250.0 BPA M

F1 2500.BPA M

F1 25000 BPA M

Tumor Summary for Males

Total Animals with Primary Neoplasms (b)	3	1			1	1
Total Primary Neoplasms	4	1			1	2
Total Animals with Benign Neoplasms	1	1			1	1
Total Benign Neoplasms	1	1			1	1
Total Animals with Malignant Neoplasms	3					1
Total Malignant Neoplasms	3					1
Total Animals with Metastatic Neoplasms	1					
Total Metastatic Neoplasms	1					
Total Animals with Malignant Neoplasms Uncertain Primary Site						
Total Animals with Neoplasms Uncertain- Benign or Malignant						
Total Uncertain Neoplasms						

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

b - Primary tumors: all tumors except metastatic tumors

Experiment Number: 10034 - 03

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

Date Report Requested: 08/16/2017

Test Type: CHRONIC

Bisphenol A

Time Report Requested: 10:20:03

Route: GAVAGE

CAS Number: 80-05-7

First Dose M/F: 09/25/12 / 09/25/12

Species/Strain: RATS/Sprague Dawley (NCTR)

Lab: NCTR

Sprague Dawley (NCTR)
RATS MALE

F1 0.05 EE2 M

F1 0.50 EE2 M

F1 Veh.StDose M

F1 2.5 StDose M

F1 25.0 StDose M

F1 250.0StDose M

Tumor Summary for Males

Total Animals with Primary Neoplasms (b)	1	2	4	1	3
Total Primary Neoplasms	1	3	4	1	3
Total Animals with Benign Neoplasms		2	3		2
Total Benign Neoplasms		3	3		2
Total Animals with Malignant Neoplasms	1		1	1	1
Total Malignant Neoplasms	1		1	1	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					

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

b - Primary tumors: all tumors except metastatic tumors

Experiment Number: 10034 - 03

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

Date Report Requested: 08/16/2017

Test Type: CHRONIC

Bisphenol A

Time Report Requested: 10:20:03

Route: GAVAGE

CAS Number: 80-05-7

First Dose M/F: 09/25/12 / 09/25/12

Species/Strain: RATS/Sprague Dawley (NCTR)

Lab: NCTR

Sprague Dawley (NCTR)
RATS MALE

F1 2500.StDose M

F1 25000StDose M

Tumor Summary for Males

Total Animals with Primary Neoplasms (b) 2
Total Primary Neoplasms 2

Total Animals with Benign Neoplasms 1
Total Benign Neoplasms 1

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

*** 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

Test Type: CHRONIC

Bisphenol A

Time Report Requested: 10:20:03

Route: GAVAGE

CAS Number: 80-05-7

First Dose M/F: 09/25/12 / 09/25/12

Species/Strain: RATS/Sprague Dawley (NCTR)

Lab: NCTR

Sprague Dawley (NCTR)
RATS FEMALE

F1 Veh. Ctrl F

F1 2.5 BPA F

F1 25.0 BPA F

F1 250.0BPA F

F1 2500.BPA F

F1 25000 BPA F

Disposition Summary

Animals Initially In Study	23	22	22	24	20	24
Early Deaths						
Interval Sacrifice	21	22	21	22	20	24
Moribund Sacrifice	1			2		
Natural Death	1		1			
Survivors						
Animals Examined Microscopically	23	22	22	24	20	24

ALIMENTARY SYSTEM

Esophagus	(3)	(0)	(1)	(2)	(0)	(0)
Intestine Large, Cecum	(0)	(0)	(0)	(0)	(0)	(0)
Intestine Large, Colon	(2)	(0)	(0)	(2)	(0)	(0)
Intestine Small, Ileum	(2)	(0)	(0)	(2)	(0)	(0)
Intestine Small, Jejunum	(0)	(0)	(0)	(0)	(0)	(0)
Liver	(23)	(22)	(22)	(24)	(20)	(24)
Mesentery	(1)	(0)	(2)	(1)	(0)	(1)
Pancreas	(23)	(22)	(22)	(24)	(20)	(24)
Stomach, Forestomach	(2)	(0)	(1)	(2)	(0)	(1)
Stomach, Glandular	(2)	(0)	(0)	(2)	(0)	(0)

CARDIOVASCULAR SYSTEM

Blood Vessel	(23)	(22)	(22)	(24)	(20)	(24)
Heart	(23)	(22)	(22)	(24)	(20)	(24)

ENDOCRINE SYSTEM

Adrenal Cortex	(23)	(22)	(22)	(24)	(20)	(24)
Adrenal Medulla	(23)	(22)	(22)	(24)	(20)	(24)
Islets, Pancreatic	(23)	(22)	(22)	(24)	(20)	(24)
Carcinoma				1 (4%)		
Parathyroid Gland	(23)	(21)	(20)	(23)	(20)	(23)

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

Test Type: CHRONIC

Bisphenol A

Time Report Requested: 10:20:03

Route: GAVAGE

CAS Number: 80-05-7

First Dose M/F: 09/25/12 / 09/25/12

Species/Strain: RATS/Sprague Dawley (NCTR)

Lab: NCTR

Sprague Dawley (NCTR) RATS FEMALE	F1 Veh. Ctrl F	F1 2.5 BPA F	F1 25.0 BPA F	F1 250.0BPA F	F1 2500.BPA F	F1 25000 BPA F
Adenoma						
Pituitary Gland	(23)	(22)	(22)	(24)	(20)	(24)
Schwannoma Malignant, Metastatic, Tissue Nos						
Pars Distalis, Adenoma			1 (5%)	1 (4%)		
Pars Distalis, Carcinoma						
Thyroid Gland	(23)	(22)	(21)	(24)	(20)	(24)
Follicular Cell, Adenoma						1 (4%)
GENERAL BODY SYSTEM						
Tissue NOS	(0)	(0)	(0)	(0)	(0)	(0)
Schwannoma Malignant						
GENITAL SYSTEM						
Clitoral Gland	(0)	(0)	(1)	(0)	(2)	(0)
Fat Pad, Ovarian/parametrial	(1)	(0)	(0)	(0)	(0)	(2)
Ovary	(23)	(22)	(22)	(24)	(20)	(24)
Oviduct	(23)	(22)	(21)	(24)	(20)	(24)
Uterus	(23)	(22)	(21)	(24)	(20)	(24)
Polyp Stromal	1 (4%)		1 (5%)		3 (15%)	3 (13%)
Endometrium, Adenoma						
Vagina	(23)	(22)	(21)	(24)	(20)	(24)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(23)	(22)	(22)	(24)	(20)	(24)
Lymph Node	(0)	(0)	(1)	(1)	(0)	(0)
Lymph Node, Mandibular	(0)	(1)	(1)	(1)	(0)	(0)
Lymph Node, Mesenteric	(0)	(0)	(0)	(0)	(0)	(0)
Spleen	(23)	(22)	(22)	(24)	(20)	(24)
Thymus	(23)	(22)	(22)	(24)	(20)	(24)

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

Test Type: CHRONIC

Bisphenol A

Time Report Requested: 10:20:03

Route: GAVAGE

CAS Number: 80-05-7

First Dose M/F: 09/25/12 / 09/25/12

Species/Strain: RATS/Sprague Dawley (NCTR)

Lab: NCTR

Sprague Dawley (NCTR) RATS FEMALE	F1 Veh. Ctrl F	F1 2.5 BPA F	F1 25.0 BPA F	F1 250.0BPA F	F1 2500.BPA F	F1 25000 BPA F
INTEGUMENTARY SYSTEM						
Mammary Gland	(23)	(22)	(22)	(24)	(20)	(24)
Adenocarcinoma		1 (5%)	1 (5%)			
Adenosquamous Carcinoma						
Fibroadenoma	2 (9%)	3 (14%)	2 (9%)	1 (4%)	2 (10%)	5 (21%)
Fibroadenoma, Multiple			1 (5%)			1 (4%)
Skin	(0)	(0)	(0)	(0)	(1)	(0)
Subcutaneous Tissue, Fibrosarcoma						
MUSCULOSKELETAL SYSTEM						
Bone	(0)	(1)	(0)	(0)	(0)	(0)
Bone, Femur	(23)	(22)	(22)	(24)	(20)	(24)
Skeletal Muscle	(0)	(0)	(0)	(0)	(0)	(0)
NERVOUS SYSTEM						
Brain, Brain Stem	(23)	(22)	(22)	(24)	(20)	(24)
Meningioma Malignant						
Brain, Cerebellum	(23)	(22)	(22)	(24)	(20)	(24)
Meningioma Malignant						
Brain, Cerebrum	(23)	(22)	(22)	(24)	(20)	(24)
Nerve Trigeminal	(1)	(0)	(1)	(0)	(0)	(4)
Peripheral Nerve, Sciatic	(1)	(0)	(1)	(0)	(0)	(4)
Peripheral Nerve, Tibial	(1)	(0)	(1)	(0)	(0)	(4)
Spinal Cord, Cervical	(1)	(0)	(1)	(0)	(0)	(4)
Spinal Cord, Lumbar	(1)	(0)	(1)	(0)	(0)	(4)
Spinal Cord, Thoracic	(1)	(0)	(1)	(0)	(0)	(4)
RESPIRATORY SYSTEM						
Lung	(2)	(1)	(4)	(3)	(0)	(0)
Nose	(2)	(0)	(1)	(2)	(0)	(0)

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

Experiment Number: 10034 - 03

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

Date Report Requested: 08/16/2017

Test Type: CHRONIC

Bisphenol A

Time Report Requested: 10:20:03

Route: GAVAGE

CAS Number: 80-05-7

First Dose M/F: 09/25/12 / 09/25/12

Species/Strain: RATS/Sprague Dawley (NCTR)

Lab: NCTR

Sprague Dawley (NCTR) RATS FEMALE	F1 Veh. Ctrl F	F1 2.5 BPA F	F1 25.0 BPA F	F1 250.0BPA F	F1 2500.BPA F	F1 25000 BPA F
Trachea	(2)	(0)	(1)	(2)	(0)	(0)
<hr/>						
SPECIAL SENSES SYSTEM						
Eye	(0)	(0)	(0)	(0)	(0)	(0)
Zymbal's Gland Carcinoma	(0)	(0)	(0)	(0)	(0)	(0)
<hr/>						
URINARY SYSTEM						
Kidney	(23)	(22)	(22)	(24)	(20)	(24)

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

Test Type: CHRONIC

Bisphenol A

Time Report Requested: 10:20:03

Route: GAVAGE

CAS Number: 80-05-7

First Dose M/F: 09/25/12 / 09/25/12

Species/Strain: RATS/Sprague Dawley (NCTR)

Lab: NCTR

Sprague Dawley (NCTR)
RATS FEMALE

F1 0.05 EE2 F

F1 0.50 EE2 F

F1 Veh. StDose F

F1 2.5 StDose F

F1 25.0 StDose F

F1 250.0StDose F

Disposition Summary

Animals Initially In Study	26	26	20	22	20	22
Early Deaths						
Interval Sacrifice	24	26	20	22	20	22
Moribund Sacrifice	1					
Natural Death	1					
Survivors						
Animals Examined Microscopically	26	26	20	22	20	22

ALIMENTARY SYSTEM

Esophagus	(2)	(0)	(0)	(0)	(0)	(0)
Intestine Large, Cecum	(0)	(1)	(0)	(0)	(0)	(0)
Intestine Large, Colon	(1)	(0)	(0)	(0)	(0)	(0)
Intestine Small, Ileum	(1)	(0)	(0)	(0)	(0)	(0)
Intestine Small, Jejunum	(0)	(0)	(0)	(0)	(0)	(0)
Liver	(26)	(26)	(20)	(22)	(20)	(22)
Mesentery	(1)	(2)	(1)	(0)	(0)	(0)
Pancreas	(26)	(26)	(20)	(22)	(20)	(22)
Stomach, Forestomach	(2)	(0)	(0)	(0)	(0)	(0)
Stomach, Glandular	(1)	(0)	(0)	(0)	(0)	(1)

CARDIOVASCULAR SYSTEM

Blood Vessel	(26)	(26)	(20)	(22)	(20)	(22)
Heart	(26)	(26)	(20)	(22)	(20)	(22)

ENDOCRINE SYSTEM

Adrenal Cortex	(26)	(26)	(20)	(22)	(20)	(22)
Adrenal Medulla	(26)	(26)	(20)	(22)	(20)	(22)
Islets, Pancreatic	(26)	(26)	(20)	(22)	(20)	(22)
Carcinoma						
Parathyroid Gland	(26)	(25)	(20)	(21)	(20)	(22)

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

Test Type: CHRONIC

Bisphenol A

Time Report Requested: 10:20:03

Route: GAVAGE

CAS Number: 80-05-7

First Dose M/F: 09/25/12 / 09/25/12

Species/Strain: RATS/Sprague Dawley (NCTR)

Lab: NCTR

Sprague Dawley (NCTR) RATS FEMALE	F1 0.05 EE2 F	F1 0.50 EE2 F	F1 Veh. StDose F	F1 2.5 StDose F	F1 25.0 StDose F	F1 250.0StDose F
Adenoma						1 (5%)
Pituitary Gland	(25)	(26)	(20)	(22)	(20)	(22)
Schwannoma Malignant, Metastatic, Tissue Nos						
Pars Distalis, Adenoma	1 (4%)	1 (4%)			1 (5%)	
Pars Distalis, Carcinoma					1 (5%)	
Thyroid Gland	(26)	(26)	(20)	(22)	(20)	(22)
Follicular Cell, Adenoma						
GENERAL BODY SYSTEM						
Tissue NOS	(0)	(0)	(0)	(0)	(0)	(0)
Schwannoma Malignant						
GENITAL SYSTEM						
Clitoral Gland	(1)	(0)	(0)	(1)	(0)	(0)
Fat Pad, Ovarian/parametrial	(1)	(0)	(0)	(0)	(0)	(0)
Ovary	(25)	(26)	(20)	(22)	(20)	(22)
Oviduct	(25)	(26)	(20)	(22)	(20)	(22)
Uterus	(25)	(26)	(20)	(22)	(20)	(22)
Polyp Stromal	1 (4%)			1 (5%)		1 (5%)
Endometrium, Adenoma						1 (5%)
Vagina	(25)	(26)	(20)	(22)	(20)	(22)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(26)	(26)	(20)	(22)	(20)	(22)
Lymph Node	(0)	(0)	(0)	(0)	(0)	(0)
Lymph Node, Mandibular	(1)	(1)	(0)	(0)	(0)	(1)
Lymph Node, Mesenteric	(0)	(0)	(0)	(0)	(0)	(0)
Spleen	(26)	(26)	(20)	(22)	(20)	(22)
Thymus	(25)	(26)	(20)	(22)	(20)	(22)

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

Test Type: CHRONIC

Bisphenol A

Time Report Requested: 10:20:03

Route: GAVAGE

CAS Number: 80-05-7

First Dose M/F: 09/25/12 / 09/25/12

Species/Strain: RATS/Sprague Dawley (NCTR)

Lab: NCTR

Sprague Dawley (NCTR) RATS FEMALE	F1 0.05 EE2 F	F1 0.50 EE2 F	F1 Veh. StDose F	F1 2.5 StDose F	F1 25.0 StDose F	F1 250.0StDose F
INTEGUMENTARY SYSTEM						
Mammary Gland	(26)	(26)	(20)	(22)	(20)	(22)
Adenocarcinoma	1 (4%)					
Adenosquamous Carcinoma	1 (4%)					
Fibroadenoma	2 (8%)	4 (15%)	4 (20%)	1 (5%)	1 (5%)	1 (5%)
Fibroadenoma, Multiple						
Skin	(0)	(0)	(0)	(0)	(0)	(1)
Subcutaneous Tissue, Fibrosarcoma						1 (100%)
MUSCULOSKELETAL SYSTEM						
Bone	(0)	(0)	(0)	(0)	(0)	(0)
Bone, Femur	(26)	(26)	(20)	(22)	(20)	(22)
Skeletal Muscle	(0)	(0)	(0)	(0)	(0)	(0)
NERVOUS SYSTEM						
Brain, Brain Stem	(26)	(26)	(20)	(22)	(20)	(22)
Meningioma Malignant						
Brain, Cerebellum	(26)	(26)	(20)	(22)	(20)	(22)
Meningioma Malignant						
Brain, Cerebrum	(26)	(26)	(20)	(22)	(20)	(22)
Nerve Trigeminal	(2)	(4)	(0)	(0)	(0)	(1)
Peripheral Nerve, Sciatic	(2)	(4)	(0)	(0)	(0)	(1)
Peripheral Nerve, Tibial	(2)	(4)	(0)	(0)	(0)	(1)
Spinal Cord, Cervical	(2)	(4)	(0)	(0)	(0)	(1)
Spinal Cord, Lumbar	(2)	(4)	(0)	(0)	(0)	(1)
Spinal Cord, Thoracic	(2)	(4)	(0)	(0)	(0)	(1)
RESPIRATORY SYSTEM						
Lung	(2)	(1)	(1)	(0)	(1)	(1)
Nose	(1)	(0)	(0)	(0)	(0)	(0)

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

Experiment Number: 10034 - 03

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

Date Report Requested: 08/16/2017

Test Type: CHRONIC

Bisphenol A

Time Report Requested: 10:20:03

Route: GAVAGE

CAS Number: 80-05-7

First Dose M/F: 09/25/12 / 09/25/12

Species/Strain: RATS/Sprague Dawley (NCTR)

Lab: NCTR

Sprague Dawley (NCTR) RATS FEMALE	F1 0.05 EE2 F	F1 0.50 EE2 F	F1 Veh. StDose F	F1 2.5 StDose F	F1 25.0 StDose F	F1 250.0StDose F
Trachea	(2)	(0)	(0)	(0)	(0)	(0)
SPECIAL SENSES SYSTEM						
Eye	(1)	(0)	(1)	(0)	(0)	(0)
Zymbal's Gland	(0)	(0)	(0)	(0)	(0)	(1)
Carcinoma						1 (100%)
URINARY SYSTEM						
Kidney	(26)	(26)	(20)	(22)	(20)	(22)

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

Experiment Number: 10034 - 03

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

Date Report Requested: 08/16/2017

Test Type: CHRONIC

Bisphenol A

Time Report Requested: 10:20:03

Route: GAVAGE

CAS Number: 80-05-7

First Dose M/F: 09/25/12 / 09/25/12

Species/Strain: RATS/Sprague Dawley (NCTR)

Lab: NCTR

Sprague Dawley (NCTR)
RATS FEMALE

F1 2500.StDose F

F1 2500StDose F

Disposition Summary

Animals Initially In Study	20	22
Early Deaths		
Interval Sacrifice	20	20
Moribund Sacrifice		2
Natural Death		
Survivors		
Animals Examined Microscopically	20	22

ALIMENTARY SYSTEM

Esophagus	(0)	(2)
Intestine Large, Cecum	(0)	(0)
Intestine Large, Colon	(0)	(2)
Intestine Small, Ileum	(1)	(2)
Intestine Small, Jejunum	(1)	(0)
Liver	(20)	(22)
Mesentery	(2)	(0)
Pancreas	(20)	(22)
Stomach, Forestomach	(0)	(2)
Stomach, Glandular	(0)	(2)

CARDIOVASCULAR SYSTEM

Blood Vessel	(20)	(22)
Heart	(20)	(22)

ENDOCRINE SYSTEM

Adrenal Cortex	(20)	(22)
Adrenal Medulla	(20)	(22)
Islets, Pancreatic	(20)	(22)
Carcinoma		
Parathyroid Gland	(19)	(22)

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

Test Type: CHRONIC

Bisphenol A

Time Report Requested: 10:20:03

Route: GAVAGE

CAS Number: 80-05-7

First Dose M/F: 09/25/12 / 09/25/12

Species/Strain: RATS/Sprague Dawley (NCTR)

Lab: NCTR

Sprague Dawley (NCTR) RATS FEMALE	F1 2500.StDose F	F1 25000StDose F
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Adenoma		
Pituitary Gland	(20)	(22)
Schwannoma Malignant, Metastatic, Tissue Nos		1 (5%)
Pars Distalis, Adenoma		
Pars Distalis, Carcinoma		
Thyroid Gland	(20)	(22)
Follicular Cell, Adenoma		

GENERAL BODY SYSTEM

Tissue NOS	(0)	(1)
Schwannoma Malignant		1 (100%)

GENITAL SYSTEM

Clitoral Gland	(1)	(0)
Fat Pad, Ovarian/parametrial	(0)	(1)
Ovary	(20)	(22)
Oviduct	(20)	(22)
Uterus	(20)	(22)
Polyp Stromal		
Endometrium, Adenoma		
Vagina	(20)	(22)

HEMATOPOIETIC SYSTEM

Bone Marrow	(20)	(22)
Lymph Node	(0)	(0)
Lymph Node, Mandibular	(0)	(0)
Lymph Node, Mesenteric	(1)	(0)
Spleen	(20)	(22)
Thymus	(20)	(22)

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

Test Type: CHRONIC

Bisphenol A

Time Report Requested: 10:20:03

Route: GAVAGE

CAS Number: 80-05-7

First Dose M/F: 09/25/12 / 09/25/12

Species/Strain: RATS/Sprague Dawley (NCTR)

Lab: NCTR

Sprague Dawley (NCTR)
RATS FEMALE

F1 2500.StDose F

F1 25000StDose F

INTEGUMENTARY SYSTEM

Mammary Gland	(20)	(22)
Adenocarcinoma		
Adenosquamous Carcinoma		
Fibroadenoma	1 (5%)	2 (9%)
Fibroadenoma, Multiple		
Skin	(0)	(0)
Subcutaneous Tissue, Fibrosarcoma		

MUSCULOSKELETAL SYSTEM

Bone	(0)	(0)
Bone, Femur	(20)	(22)
Skeletal Muscle	(0)	(2)

NERVOUS SYSTEM

Brain, Brain Stem	(20)	(22)
Meningioma Malignant		1 (5%)
Brain, Cerebellum	(20)	(22)
Meningioma Malignant		1 (5%)
Brain, Cerebrum	(20)	(22)
Nerve Trigeminal	(0)	(2)
Peripheral Nerve, Sciatic	(0)	(2)
Peripheral Nerve, Tibial	(0)	(2)
Spinal Cord, Cervical	(0)	(2)
Spinal Cord, Lumbar	(0)	(2)
Spinal Cord, Thoracic	(0)	(2)

RESPIRATORY SYSTEM

Lung	(0)	(4)
Nose	(0)	(2)

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

Experiment Number: 10034 - 03

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

Date Report Requested: 08/16/2017

Test Type: CHRONIC

Bisphenol A

Time Report Requested: 10:20:03

Route: GAVAGE

CAS Number: 80-05-7

First Dose M/F: 09/25/12 / 09/25/12

Species/Strain: RATS/Sprague Dawley (NCTR)

Lab: NCTR

Sprague Dawley (NCTR)
RATS FEMALE

F1 2500.StDose F

F1 25000StDose F

Trachea

(0)

(2)

SPECIAL SENSES SYSTEM

Eye

(0)

(0)

Zymbal's Gland

(0)

(0)

Carcinoma

URINARY SYSTEM

Kidney

(20)

(22)

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

Experiment Number: 10034 - 03

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

Date Report Requested: 08/16/2017

Test Type: CHRONIC

Bisphenol A

Time Report Requested: 10:20:03

Route: GAVAGE

CAS Number: 80-05-7

First Dose M/F: 09/25/12 / 09/25/12

Species/Strain: RATS/Sprague Dawley (NCTR)

Lab: NCTR

Sprague Dawley (NCTR)
RATS FEMALE

F1 Veh. Ctrl F

F1 2.5 BPA F

F1 25.0 BPA F

F1 250.0BPA F

F1 2500.BPA F

F1 25000 BPA F

Tumor Summary for Females

Total Animals with Primary Neoplasms (b)	3	4	6	3	5	9
Total Primary Neoplasms	3	4	6	3	5	10
Total Animals with Benign Neoplasms	3	3	5	2	5	9
Total Benign Neoplasms	3	3	5	2	5	10
Total Animals with Malignant Neoplasms		1	1	1		
Total Malignant Neoplasms		1	1	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						

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

b - Primary tumors: all tumors except metastatic tumors

Experiment Number: 10034 - 03

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

Date Report Requested: 08/16/2017

Test Type: CHRONIC

Bisphenol A

Time Report Requested: 10:20:03

Route: GAVAGE

CAS Number: 80-05-7

First Dose M/F: 09/25/12 / 09/25/12

Species/Strain: RATS/Sprague Dawley (NCTR)

Lab: NCTR

Sprague Dawley (NCTR)
RATS FEMALE

F1 0.05 EE2 F

F1 0.50 EE2 F

F1 Veh. StDose F

F1 2.5 StDose F

F1 25.0 StDose F

F1 250.0StDose F

Tumor Summary for Females

Total Animals with Primary Neoplasms (b)	6	4	4	2	3	6
Total Primary Neoplasms	6	5	4	2	3	6
Total Animals with Benign Neoplasms	4	4	4	2	2	4
Total Benign Neoplasms	4	5	4	2	2	4
Total Animals with Malignant Neoplasms	2				1	2
Total Malignant Neoplasms	2				1	2
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						

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

b - Primary tumors: all tumors except metastatic tumors

Experiment Number: 10034 - 03

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

Date Report Requested: 08/16/2017

Test Type: CHRONIC

Bisphenol A

Time Report Requested: 10:20:03

Route: GAVAGE

CAS Number: 80-05-7

First Dose M/F: 09/25/12 / 09/25/12

Species/Strain: RATS/Sprague Dawley (NCTR)

Lab: NCTR

Sprague Dawley (NCTR)
RATS FEMALE

F1 2500.StDose F

F1 25000StDose F

Tumor Summary for Females

Total Animals with Primary Neoplasms (b)	1	3
Total Primary Neoplasms	1	5
Total Animals with Benign Neoplasms	1	2
Total Benign Neoplasms	1	2
Total Animals with Malignant Neoplasms		1
Total Malignant Neoplasms		3
Total Animals with Metastatic Neoplasms		1
Total Metastatic Neoplasms		1
Total Animals with Malignant Neoplasms Uncertain Primary Site		
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