

**Experiment Number:** 10034 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** RATS/Sprague Dawley (NCTR)

**P22: Cause Of Death Summary**  
Bisphenol A  
**CAS Number:** 80-05-7

**Date Report Requested:** 08/16/2017  
**Time Report Requested:** 10:21:03  
**First Dose M/F:** 09/25/12 / 09/25/12  
**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

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

Lab: NCTR

MALE

Cause of Death	F1 Veh. Ctrl M *	F1 2.5 BPA M *	F1 25.0 BPA M *	F1 250.0BPA M *	F1 2500.BPA M *	F1 25000BPA M *
Adrenal Cortex - Sarcoma					(1)	
Adrenal Medulla - Pheochromocytoma Benign	1					
Adrenal Medulla - Pheochromocytoma Malignant					1	
Blood Vessel - Mesothelioma Malignant						
Bone - Chordoma				1		
Bone - Hyperostosis						
Bone - Osteosarcoma	1			1	1	1
Bone Marrow - Leukemia Granulocytic	1					
Bone, Femur - Osteosarcoma						
Brain, Brain Stem - Gliosis		(1)				
Brain, Brain Stem - Granular Cell Tumor Malignant						
Brain, Cerebrum - Gliosis		1				
Brain, Cerebrum - Granular Cell Tumor Malignant	1					
Brain, Cerebrum - Necrosis						1
Brain, Cerebrum - Sarcoma						
Coagulating Gland - Sarcoma					(1)	
Ear - Neural Crest Tumor, Malignant						
Epididymis - Sarcoma					(1)	
Esophagus - Foreign Body						(1)
Esophagus - Inflammation						(1)
Esophagus - Necrosis						1
Esophagus - Perforation		2		1		
Fat Pad, Epididymal - Sarcoma					(1)	
Heart - Cardiomyopathy	1					
Heart - Mesothelioma Malignant						
Heart - Schwannoma Malignant						
Intestine Large, Colon - Adenocarcinoma						
Intestine Large, Colon - Inflammation						1
Intestine Small, Jejunum - Adenocarcinoma					1	1
Intestine Small, Jejunum - Perforation						
Islets, Pancreatic - Carcinoma						
Islets, Pancreatic - Sarcoma					(1)	
Kidney - Liposarcoma						

\* Animal(s) with multiple CODs.

Non-parenthetic values are total Primary Cause of Death

Parenthetic values are total Contributory Cause of Death

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MALE

Cause of Death	F1 Veh. Ctrl M *	F1 2.5 BPA M *	F1 25.0 BPA M *	F1 250.0BPA M *	F1 2500.BPA M *	F1 25000BPA M *
Kidney - Nephropathy	2	4	4	7	6	2
Kidney - Polycystic Kidney					1	
Liver - Fatty Change				1		
Liver - Hemangiosarcoma				1	1	
Liver - Hepatocellular Carcinoma				1		1
Liver - Histiocytic Sarcoma	1					2
Liver - Necrosis					1	
Liver - Sarcoma					1	
Lung - Abscess						
Lung - Alveolar/Bronchiolar Carcinoma		1				
Lung - Hemorrhage						
Lung - Infiltration Cellular	1					1
Lung - Inflammation		2				
Lung - Mesothelioma Malignant						
Lung - Sarcoma					(1)	
Mammary Gland - Fibroadenoma						
Mammary Gland - Fibroma	1				1	
Nose - Inflammation						
Nose - Keratin Cyst						
Nose - Lymphoma Malignant						1
Nose - Squamous Cell Carcinoma					2	
Oral Mucosa - Fibrosarcoma					1	
Oral Mucosa - Squamous Cell Carcinoma	1		1			
Pituitary Gland - Adenoma	10	10	8	3	8	6
Pituitary Gland - Carcinoma					1	
Pituitary Gland - Craniopharyngioma						
Pituitary Gland - Cyst		1				
Pituitary Gland - Thrombosis						
Preputial Gland - Abscess						
Preputial Gland - Carcinoma	3	2	3	3	3	3
Preputial Gland - Carcinosarcoma						
Preputial Gland - Hyperkeratosis		1				
Prostate, Dorsal/Lateral Lobe - Sarcoma					(1)	
Prostate, Ventral Lobe - Sarcoma					(1)	

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MALE

Cause of Death	F1 Veh. Ctrl M *	F1 2.5 BPA M *	F1 25.0 BPA M *	F1 250.0BPA M *	F1 2500.BPA M *	F1 25000BPA M *
Salivary Glands - Inflammation						
Seminal Vesicle - Carcinosarcoma						
Seminal Vesicle - Sarcoma					(1)	
Skeletal Muscle - Mesothelioma Malignant						
Skin - Abscess	1					
Skin - Adenoma						1
Skin - Basal Cell Adenoma						1
Skin - Basal Cell Carcinoma						
Skin - Cyst		1				
Skin - Cyst Epithelial Inclusion						
Skin - Edema	(2)			(1)		(2)
Skin - Fibroma						1
Skin - Fibrosarcoma			2			
Skin - Fibrosis	(2)		(2)	(1)		(3)
Skin - Foreign Body						
Skin - Hemorrhage						(1)
Skin - Histiocytic Sarcoma						
Skin - Hyperplasia	(2)		(2)	(1)		1 (1)
Skin - Inflammation	(2)		(2)	(1)		(3)
Skin - Keratoacanthoma						
Skin - Lipoma						
Skin - Necrosis	(2)		(2)	(1)		(2)
Skin - Pilomatrixoma	1					
Skin - Sarcoma		1			1	
Skin - Schwannoma Malignant						
Skin - Squamous Cell Carcinoma			1			
Skin - Ulcer	2		2	1		2
Spleen - Leukemia Granulocytic						
Spleen - Leukemia Mononuclear	1		1			
Spleen - Lymphoma Malignant	2	1	3	2	3	2
Spleen - Sarcoma		1	1		(1)	
Stomach, Forestomach - Perforation						
Stomach, Glandular - Schwannoma Malignant						
Testes - Sarcoma					(1)	

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**MALE**

Cause of Death	F1 Veh. Ctrl M *	F1 2.5 BPA M *	F1 25.0 BPA M *	F1 250.0BPA M *	F1 2500.BPA M *	F1 25000BPA M *
Thymus - Mesothelioma Malignant						
Thyroid Gland - Carcinoma				1		
Tissue NOS - Mesothelioma Malignant						
Tissue NOS - Sarcoma					(1)	
UNCERTAIN	3	3	2	12	1	6
Urinary Bladder - Calculus Micro Observation Only		1				
Urinary Bladder - Carcinoma				1		
Zymbal's Gland - Adenoma			2			
Zymbal's Gland - Carcinoma	1		1			
Zymbal's Gland - Inflammation						

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MALE

Cause of Death	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 *
Adrenal Cortex - Sarcoma						
Adrenal Medulla - Pheochromocytoma Benign						
Adrenal Medulla - Pheochromocytoma Malignant						
Blood Vessel - Mesothelioma Malignant				(1)		
Bone - Chordoma						
Bone - Hyperostosis		1				
Bone - Osteosarcoma						
Bone Marrow - Leukemia Granulocytic					1	
Bone, Femur - Osteosarcoma						
Brain, Brain Stem - Gliosis						
Brain, Brain Stem - Granular Cell Tumor Malignant					(1)	
Brain, Cerebrum - Gliosis						
Brain, Cerebrum - Granular Cell Tumor Malignant					1	1
Brain, Cerebrum - Necrosis						
Brain, Cerebrum - Sarcoma						
Coagulating Gland - Sarcoma						
Ear - Neural Crest Tumor, Malignant						1
Epididymis - Sarcoma						
Esophagus - Foreign Body						
Esophagus - Inflammation						
Esophagus - Necrosis						
Esophagus - Perforation						
Fat Pad, Epididymal - Sarcoma						
Heart - Cardiomyopathy		1				
Heart - Mesothelioma Malignant				(1)		
Heart - Schwannoma Malignant				1		
Intestine Large, Colon - Adenocarcinoma	1					
Intestine Large, Colon - Inflammation						
Intestine Small, Jejunum - Adenocarcinoma			1	1		
Intestine Small, Jejunum - Perforation						
Islets, Pancreatic - Carcinoma				1		
Islets, Pancreatic - Sarcoma						
Kidney - Liposarcoma				2	1	1

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MALE

Cause of Death	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 *
Kidney - Nephropathy	1	1	9	4	10	6
Kidney - Polycystic Kidney			1			
Liver - Fatty Change						1
Liver - Hemangiosarcoma						
Liver - Hepatocellular Carcinoma					1	1
Liver - Histiocytic Sarcoma						
Liver - Necrosis						
Liver - Sarcoma						
Lung - Abscess	1					
Lung - Alveolar/Bronchiolar Carcinoma						
Lung - Hemorrhage	1					
Lung - Infiltration Cellular						
Lung - Inflammation				1		1
Lung - Mesothelioma Malignant				(1)		
Lung - Sarcoma						
Mammary Gland - Fibroadenoma			1			1
Mammary Gland - Fibroma						
Nose - Inflammation					1	
Nose - Keratin Cyst					1	
Nose - Lymphoma Malignant						
Nose - Squamous Cell Carcinoma						
Oral Mucosa - Fibrosarcoma						
Oral Mucosa - Squamous Cell Carcinoma					1	
Pituitary Gland - Adenoma	2	3	6	10	5	5
Pituitary Gland - Carcinoma						
Pituitary Gland - Craniopharyngioma						
Pituitary Gland - Cyst						
Pituitary Gland - Thrombosis		1				
Preputial Gland - Abscess		1				
Preputial Gland - Carcinoma	3	1	1	2	2	4
Preputial Gland - Carcinosarcoma						
Preputial Gland - Hyperkeratosis						
Prostate, Dorsal/Lateral Lobe - Sarcoma						
Prostate, Ventral Lobe - Sarcoma						

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Cause of Death	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 *
Salivary Glands - Inflammation						1
Seminal Vesicle - Carcinosa						
Seminal Vesicle - Sarcoma						
Skeletal Muscle - Mesothelioma Malignant				(1)		
Skin - Abscess						
Skin - Adenoma						
Skin - Basal Cell Adenoma						
Skin - Basal Cell Carcinoma		1				1
Skin - Cyst						
Skin - Cyst Epithelial Inclusion			1		1	2
Skin - Edema	(2)		(2)			
Skin - Fibroma				1		
Skin - Fibrosarcoma			1			1
Skin - Fibrosis	(2)		(2)			(1)
Skin - Foreign Body						(1)
Skin - Hemorrhage						
Skin - Histiocytic Sarcoma						1
Skin - Hyperplasia	(2)		(2)			
Skin - Inflammation	(2)		(2)			(1)
Skin - Keratoacanthoma					1	
Skin - Lipoma						
Skin - Necrosis	(2)		(2)			(1)
Skin - Pilomatrixoma						
Skin - Sarcoma						
Skin - Schwannoma Malignant			1		1	2
Skin - Squamous Cell Carcinoma			1		1	
Skin - Ulcer	2		2	1		1
Spleen - Leukemia Granulocytic				1		
Spleen - Leukemia Mononuclear			1		1	
Spleen - Lymphoma Malignant	2	1	1		1	3
Spleen - Sarcoma	1					
Stomach, Forestomach - Perforation				1		
Stomach, Glandular - Schwannoma Malignant						1
Testes - Sarcoma						

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MALE

Cause of Death	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 *
Thymus - Mesothelioma Malignant				1		
Thyroid Gland - Carcinoma						
Tissue NOS - Mesothelioma Malignant				(1)		
Tissue NOS - Sarcoma						
UNCERTAIN	2	2	6	3	2	2
Urinary Bladder - Calculus Micro Observation Only						
Urinary Bladder - Carcinoma						
Zymbal's Gland - Adenoma						
Zymbal's Gland - Carcinoma	1	1		1		
Zymbal's Gland - Inflammation				1		

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MALE

Cause of Death	F1 2500.StDose M *	F1 25000StDose M
Adrenal Cortex - Sarcoma		
Adrenal Medulla - Pheochromocytoma Benign		
Adrenal Medulla - Pheochromocytoma Malignant		
Blood Vessel - Mesothelioma Malignant		
Bone - Chordoma		
Bone - Hyperostosis		
Bone - Osteosarcoma		
Bone Marrow - Leukemia Granulocytic		
Bone, Femur - Osteosarcoma		1
Brain, Brain Stem - Gliosis		
Brain, Brain Stem - Granular Cell Tumor Malignant		
Brain, Cerebrum - Gliosis		
Brain, Cerebrum - Granular Cell Tumor Malignant		
Brain, Cerebrum - Necrosis		
Brain, Cerebrum - Sarcoma		1
Coagulating Gland - Sarcoma		
Ear - Neural Crest Tumor, Malignant		
Epididymis - Sarcoma		
Esophagus - Foreign Body		
Esophagus - Inflammation		
Esophagus - Necrosis		
Esophagus - Perforation		
Fat Pad, Epididymal - Sarcoma		
Heart - Cardiomyopathy		
Heart - Mesothelioma Malignant		1
Heart - Schwannoma Malignant	1	
Intestine Large, Colon - Adenocarcinoma		
Intestine Large, Colon - Inflammation		
Intestine Small, Jejunum - Adenocarcinoma		
Intestine Small, Jejunum - Perforation		1
Islets, Pancreatic - Carcinoma	1	
Islets, Pancreatic - Sarcoma		
Kidney - Liposarcoma		

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MALE

Cause of Death	F1 2500.StDose M *	F1 25000StDose M
Kidney - Nephropathy	15	9
Kidney - Polycystic Kidney		
Liver - Fatty Change		
Liver - Hemangiosarcoma		
Liver - Hepatocellular Carcinoma		
Liver - Histiocytic Sarcoma		
Liver - Necrosis		1
Liver - Sarcoma		
Lung - Abscess		
Lung - Alveolar/Bronchiolar Carcinoma		
Lung - Hemorrhage		
Lung - Infiltration Cellular		
Lung - Inflammation		
Lung - Mesothelioma Malignant		
Lung - Sarcoma		1
Mammary Gland - Fibroadenoma		1
Mammary Gland - Fibroma		
Nose - Inflammation		
Nose - Keratin Cyst		
Nose - Lymphoma Malignant		
Nose - Squamous Cell Carcinoma		
Oral Mucosa - Fibrosarcoma		
Oral Mucosa - Squamous Cell Carcinoma	1	
Pituitary Gland - Adenoma	4	4
Pituitary Gland - Carcinoma		
Pituitary Gland - Craniopharyngioma		1
Pituitary Gland - Cyst		
Pituitary Gland - Thrombosis		
Preputial Gland - Abscess		
Preputial Gland - Carcinoma	2	4
Preputial Gland - Carcinosarcoma		1
Preputial Gland - Hyperkeratosis		
Prostate, Dorsal/Lateral Lobe - Sarcoma		
Prostate, Ventral Lobe - Sarcoma		

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MALE

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Salivary Glands - Inflammation		
Seminal Vesicle - Carcinoma	1	
Seminal Vesicle - Sarcoma		
Skeletal Muscle - Mesothelioma Malignant		
Skin - Abscess		
Skin - Adenoma		
Skin - Basal Cell Adenoma	1	
Skin - Basal Cell Carcinoma		
Skin - Cyst		
Skin - Cyst Epithelial Inclusion		
Skin - Edema	(2)	
Skin - Fibroma		
Skin - Fibrosarcoma		
Skin - Fibrosis	(2)	
Skin - Foreign Body		
Skin - Hemorrhage		1
Skin - Histiocytic Sarcoma		
Skin - Hyperplasia	(2)	
Skin - Inflammation	(2)	
Skin - Keratoacanthoma		
Skin - Lipoma	1	
Skin - Necrosis	(2)	
Skin - Pilomatrixoma		
Skin - Sarcoma	1	1
Skin - Schwannoma Malignant		
Skin - Squamous Cell Carcinoma		
Skin - Ulcer	2	
Spleen - Leukemia Granulocytic		1
Spleen - Leukemia Mononuclear		
Spleen - Lymphoma Malignant	2	5
Spleen - Sarcoma		
Stomach, Forestomach - Perforation		
Stomach, Glandular - Schwannoma Malignant		
Testes - Sarcoma		

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MALE

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Cause of Death	F1 2500.StDose M *	F1 25000StDose M
Thymus - Mesothelioma Malignant		
Thyroid Gland - Carcinoma		
Tissue NOS - Mesothelioma Malignant		
Tissue NOS - Sarcoma		1
UNCERTAIN	3	2
Urinary Bladder - Calculus Micro Observation Only		
Urinary Bladder - Carcinoma		
Zymbal's Gland - Adenoma		
Zymbal's Gland - Carcinoma		
Zymbal's Gland - Inflammation		

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

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FEMALE

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Adrenal Medulla - Pheochromocytoma Malignant					1	
Bone - Fracture					1	
Brain, Brain Stem - Glioma Malignant			1			
Brain, Cerebellum - Glioma Malignant			(1)			
Brain, Cerebrum - Glioma Malignant			(1)			
Brain, Cerebrum - Oligodendroglioma Malignant		1				
Clitoral Gland - Adenoma						1
Clitoral Gland - Carcinoma		1	1		2	
Clitoral Gland - Fibrosarcoma		1				
Intestine Large, Cecum - Perforation			1			
Intestine Small, Jejunum - Adenocarcinoma						
Kidney - Nephropathy		1	1	1		2
Liver - Histiocytic Sarcoma						1
Lung - Hemorrhage		1				
Lung - Inflammation						
Lung - Yolk Sac Carcinoma			1			
Mammary Gland - Adenocarcinoma			3	1	1	
Mammary Gland - Adenoma						
Mammary Gland - Carcinosarcoma	1					
Mammary Gland - Fibroadenoma	14	10	15	18	15	13
Ovary - Yolk Sac Carcinoma				1		
Pituitary Gland - Adenoma	9	8	3	11	11	14
Pituitary Gland - Carcinoma	1	1				
Skeletal Muscle - Hernia			1			
Skeletal Muscle - Rhabdomyosarcoma						
Skin - Bacterium			(2)			
Skin - Basal Cell Adenoma						
Skin - Edema	(2)	(2)	(2)	(1)	(3)	(1)
Skin - Fibrosarcoma						1
Skin - Fibrosis	(2)	(2)	(3)	(1)	(2)	(1)
Skin - Hemorrhage					(1)	
Skin - Histiocytic Sarcoma						
Skin - Hyperplasia	(2)	1 (1)	1 (2)	(1)	(3)	(1)
Skin - Inflammation	(2)	(2)	(3)	(1)	(3)	(1)

\* Animal(s) with multiple CODs.

Non-parenthetic values are total Primary Cause of Death

Parenthetic values are total Contributory Cause of Death

**Experiment Number:** 10034 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** RATS/Sprague Dawley (NCTR)

**P22: Cause Of Death Summary**  
 Bisphenol A  
**CAS Number:** 80-05-7

**Date Report Requested:** 08/16/2017  
**Time Report Requested:** 10:21:03  
**First Dose M/F:** 09/25/12 / 09/25/12  
**Lab:** NCTR

FEMALE

Cause of Death	F1 Veh. Ctrl F *	F1 2.5 BPA F *	F1 25.0 BPA F *	F1 250.0BPA F *	F1 2500.BPA F *	F1 25000BPA F *
Skin - Lipoma						
Skin - Necrosis	(2)	(1)	(2)	(1)	(3)	(1)
Skin - Squamous Cell Papilloma	1					
Skin - Ulcer	2	1	2	1	3	1
Spleen - Leukemia Granulocytic	1					
Spleen - Leukemia Mononuclear						
Spleen - Lymphoma Malignant	2	1	1		2	1
Spleen - Sarcoma				1		
Thymus - Squamous Cell Carcinoma						
Thyroid Gland - Carcinoma		1				
Tissue NOS - Lipoma						
Tissue NOS - Sarcoma						
UNCERTAIN	3		1	2	2	1
Uterus - Adenocarcinoma		1			1	1
Uterus - Polyp Stromal						
Uterus - Sarcoma						
Uterus - Schwannoma Malignant						
Zymbal's Gland - Carcinoma					1	2

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**Experiment Number:** 10034 - 04  
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**Route:** GAVAGE  
**Species/Strain:** RATS/Sprague Dawley (NCTR)

**P22: Cause Of Death Summary**  
 Bisphenol A  
**CAS Number:** 80-05-7

**Date Report Requested:** 08/16/2017  
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**Lab:** NCTR

FEMALE

Cause of Death	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 *
Adrenal Medulla - Pheochromocytoma Malignant						
Bone - Fracture						
Brain, Brain Stem - Glioma Malignant						
Brain, Cerebellum - Glioma Malignant						
Brain, Cerebrum - Glioma Malignant						
Brain, Cerebrum - Oligodendroglioma Malignant						
Clitoral Gland - Adenoma						
Clitoral Gland - Carcinoma						1
Clitoral Gland - Fibrosarcoma						
Intestine Large, Cecum - Perforation						
Intestine Small, Jejunum - Adenocarcinoma		1				
Kidney - Nephropathy			1			
Liver - Histiocytic Sarcoma						
Lung - Hemorrhage						
Lung - Inflammation		1				
Lung - Yolk Sac Carcinoma						
Mammary Gland - Adenocarcinoma	1	1		3	2	
Mammary Gland - Adenoma						1
Mammary Gland - Carcinosarcoma					2	
Mammary Gland - Fibroadenoma	6	3	22	21	20 (1)	18
Ovary - Yolk Sac Carcinoma						
Pituitary Gland - Adenoma	5	13	13	9	6	12
Pituitary Gland - Carcinoma		2				1
Skeletal Muscle - Hernia						
Skeletal Muscle - Rhabdomyosarcoma		1				
Skin - Bacterium	(1)					
Skin - Basal Cell Adenoma			1			
Skin - Edema	(3)					(1)
Skin - Fibrosarcoma	1			1	2	
Skin - Fibrosis	(3)					
Skin - Hemorrhage						
Skin - Histiocytic Sarcoma				1		
Skin - Hyperplasia	(2)					(1)
Skin - Inflammation	(3)					(1)

\* Animal(s) with multiple CODs.

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**Lab:** NCTR

FEMALE

Cause of Death	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 *
Skin - Lipoma						
Skin - Necrosis	(3)					(1)
Skin - Squamous Cell Papilloma						
Skin - Ulcer	3					1
Spleen - Leukemia Granulocytic						
Spleen - Leukemia Mononuclear						1
Spleen - Lymphoma Malignant				1		
Spleen - Sarcoma						
Thymus - Squamous Cell Carcinoma				1		
Thyroid Gland - Carcinoma						
Tissue NOS - Lipoma						
Tissue NOS - Sarcoma	1					
UNCERTAIN	2				1	2
Uterus - Adenocarcinoma			1	1		
Uterus - Polyp Stromal			1			
Uterus - Sarcoma					1	
Uterus - Schwannoma Malignant					1	
Zymbal's Gland - Carcinoma						

\* Animal(s) with multiple CODs.

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**Experiment Number:** 10034 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** RATS/Sprague Dawley (NCTR)

**P22: Cause Of Death Summary**  
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**CAS Number:** 80-05-7

**Date Report Requested:** 08/16/2017  
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**Lab:** NCTR

FEMALE

Cause of Death	F1 2500.StDose F *	F1 25000StDose F *
Adrenal Medulla - Pheochromocytoma Malignant		
Bone - Fracture		
Brain, Brain Stem - Glioma Malignant		
Brain, Cerebellum - Glioma Malignant		
Brain, Cerebrum - Glioma Malignant		1
Brain, Cerebrum - Oligodendroglioma Malignant		
Clitoral Gland - Adenoma		
Clitoral Gland - Carcinoma		
Clitoral Gland - Fibrosarcoma		
Intestine Large, Cecum - Perforation		
Intestine Small, Jejunum - Adenocarcinoma		
Kidney - Nephropathy	1	
Liver - Histiocytic Sarcoma		
Lung - Hemorrhage		
Lung - Inflammation	1	
Lung - Yolk Sac Carcinoma		
Mammary Gland - Adenocarcinoma		3
Mammary Gland - Adenoma		
Mammary Gland - Carcinosarcoma		
Mammary Gland - Fibroadenoma	14	15
Ovary - Yolk Sac Carcinoma		
Pituitary Gland - Adenoma	11	10
Pituitary Gland - Carcinoma		
Skeletal Muscle - Hernia		
Skeletal Muscle - Rhabdomyosarcoma		
Skin - Bacterium		
Skin - Basal Cell Adenoma		
Skin - Edema	(1)	
Skin - Fibrosarcoma	1	
Skin - Fibrosis	(1)	(1)
Skin - Hemorrhage		
Skin - Histiocytic Sarcoma		
Skin - Hyperplasia	(1)	(1)
Skin - Inflammation	(1)	(1)

\* Animal(s) with multiple CODs.

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**First Dose M/F:** 09/25/12 / 09/25/12  
**Lab:** NCTR

FEMALE

Cause of Death	F1 2500.StDose F *	F1 25000StDose F *
Skin - Lipoma	1	
Skin - Necrosis	(1)	(1)
Skin - Squamous Cell Papilloma		
Skin - Ulcer	1	1
Spleen - Leukemia Granulocytic		
Spleen - Leukemia Mononuclear	1	
Spleen - Lymphoma Malignant		2
Spleen - Sarcoma		
Thymus - Squamous Cell Carcinoma		
Thyroid Gland - Carcinoma		
Tissue NOS - Lipoma		1
Tissue NOS - Sarcoma		
UNCERTAIN	2	
Uterus - Adenocarcinoma		
Uterus - Polyp Stromal		
Uterus - Sarcoma		
Uterus - Schwannoma Malignant		
Zymbal's Gland - Carcinoma		

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

\* Animal(s) with multiple CODs.

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