

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

C Number:	C61609D
Lock Date:	09/03/1993
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	07/12/1996

Experiment Number: 05067-09
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Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 1	TRT#: 1	SEX: Male	DAY ON TEST: 529
	DOSE: VEHICLE CONTROL	DISP: Moribund Sacrifice	HISTO: 92-61688

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Minimal
* Kidney		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Prostate		Inflammation	Chronic, Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-21]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Chronic, Moderate
		Ulcer	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

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Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 2	TRT#: 1	SEX: Male	DAY ON TEST: 733
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 92-64792

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla [Pheochromocytoma Malignant TGLS = 7-23, 8-24]		Pheochromocytoma Malignant	Multiple
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Mammary Gland [Hyperplasia TGLS = 2-8]		Hyperplasia	Mild
Mesentery [Necrosis TGLS = 6-22]	Fat	Necrosis	Minimal
* Pancreas	Acinus	Adenoma	
	Acinus	Atrophy	Focal, Mild
	Acinus	Hyperplasia	Focal, Marked
* Pituitary Gland [Adenoma TGLS = 9-1]	Pars Distalis	Adenoma	
* Preputial Gland [Inflammation TGLS = 3-8]		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic, Minimal
* Skin [Keratoacanthoma TGLS = 1-21]		Keratoacanthoma	
* Testes [Adenoma TGLS = 5-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 2

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64792

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4-3]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 3	TRT#: 1	SEX: Male	DAY ON TEST: 733
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 92-64793

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Lung		Alveolar/Bronchiolar Carcinoma	
	[Alveolar/Bronchiolar Carcinoma TGLS = 2-2-1]		
* Pancreas	Acinus	Adenoma	
	[Adenoma TGLS = 3-21]		
* Prostate		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-7]		
* Thyroid Gland	Follicle	Cyst	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
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P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 4 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 733
DOSE: VEHICLE CONTROL **DISP:** Terminal Sacrifice **HISTO:** 92-64794

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Brain		Atrophy	Focal, Marked
[Atrophy TGLS = 8-1-1]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
Lymph Node	Mediastinal	Pigmentation	Moderate
[Pigmentation TGLS = 7-3-1]			
* Mammary Gland		Ectasia	Mild
[Ectasia TGLS = 1-8]			
Mesentery	Artery	Inflammation	Chronic, Mild
[Necrosis TGLS = 5-21]	Fat	Necrosis	Moderate
* Pancreas	Acinus	Adenoma	
[Adenoma TGLS = 6-22]	Acinus	Hyperplasia	Focal, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-1-1]			
* Prostate		Inflammation	Chronic, Mild
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]	Germinal Epith	Degeneration	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 4

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64794

ORGAN AND ACCOUNTABLE SITE STATUS

[Degeneration TGLS = 4-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 5	TRT#: 1	SEX: Male	DAY ON TEST: 545
	DOSE: VEHICLE CONTROL	DISP: Moribund Sacrifice	HISTO: 92-62189

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Necrosis	Focal, Mild
* Brain		Hemorrhage	Focal, Mild
		Leukemia Mononuclear	
[Hemorrhage TGLS = 7-1]			
[Leukemia Mononuclear TGLS = 7-1]			
Eye		Hemorrhage	Marked
[Hemorrhage TGLS = 1-21]			
* Kidney		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mediastinal	Pigmentation	Mild
[Pigmentation TGLS = 6-3-1]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-22]			
* Prostate		Inflammation	Chronic, Minimal
* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Chronic, Mild
[Hyperplasia TGLS = 8-4]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 5	TRT#: 1	SEX: Male	DAY ON TEST: 545
	DOSE: VEHICLE CONTROL	DISP: Moribund Sacrifice	HISTO: 92-62189

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-7, 4-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Liver	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 6	TRT#: 1	SEX: Male	DAY ON TEST: 638
	DOSE: VEHICLE CONTROL	DISP: Natural Death	HISTO: 92-63661

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Nose	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Brain		Atrophy	Focal, Moderate
[Atrophy TGLS = 8-1-1]			
* Epididymis		Granuloma Sperm	Moderate
[Granuloma Sperm TGLS = 4-7-1]			
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Minimal
[Leukemia Mononuclear TGLS = 7-6]		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Ectasia	Moderate
[Ectasia TGLS = 1-8]			
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-1]			
* Preputial Gland		Degeneration	Cystic, Mild
[Degeneration TGLS = 2-8]			
* Prostate		Inflammation	Chronic, Moderate
[Inflammation TGLS = 6-7-2]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7, 3-7-3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 6

TRT#: 1

SEX: Male

DAY ON TEST: 638

DOSE: VEHICLE CONTROL

DISP: Natural Death

HISTO: 92-63661

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 7 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 733
DOSE: VEHICLE CONTROL **DISP:** Terminal Sacrifice **HISTO:** 92-64795

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	Mild
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Focal, Mild
	Acinus	Hyperplasia	Focal, Moderate
* Preputial Gland		Degeneration	Cystic, Moderate
		Inflammation	Chronic, Minimal
* Prostate		Adenoma	
* Testes	Bilateral, Interstit Cell		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 8	TRT#: 1	SEX: Male	DAY ON TEST: 733
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 92-64796

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Minimal
	Bile Duct	Hyperplasia	Mild
[Basophilic Focus TGLS = 2-6]			
[Clear Cell Focus TGLS = 2-6]			
* Pancreas	Acinus	Hyperplasia	Focal, Moderate
[Hyperplasia TGLS = 4-22]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 9

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64797

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| Eye | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Preputial Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|------------------------|---------------------------|------------------|---------|
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Minimal |
| | Bile Duct | Hyperplasia | Mild |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| [Adenoma TGLS = 2-7] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 649

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 92-64798

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Bone Marrow		Myelofibrosis	Moderate
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Mild
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 8-3-1]	
		[Leukemia Mononuclear TGLS = 4-7]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
		[Necrosis TGLS = 3-21]	
* Pancreas	Acinus	Adenoma	Multiple
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Marked
		[Hyperplasia TGLS = 9-1]	
* Preputial Gland		Degeneration	Cystic, Moderate
		[Degeneration TGLS = 1-8]	
* Prostate		Inflammation	Chronic, Minimal
* Spleen		Fibrosis	Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

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Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 10	TRT#: 1	SEX: Male	DAY ON TEST: 649
	DOSE: VEHICLE CONTROL	DISP: Moribund Sacrifice	HISTO: 92-64798

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 5-22]		Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 5-22, 6-6]		
* Testes	Bilateral, Interstit Cell	Adenoma
[Adenoma TGLS = 2-7]		
* Thymus		Leukemia Mononuclear
PRIMARY CAUSE OF DEATH	- Liver	Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 670

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 92-64799

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Fibroadenoma	
* Mammary Gland			
[Fibroadenoma TGLS = 2-22]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma
 CONTRIBUTORY CAUSE OF DEATH - Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 607

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 92-63662

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Kidney		Congestion	Mild
		Nephropathy	Minimal
	[Congestion TGLS = 8-5]		
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-7]		
	[Leukemia Mononuclear TGLS = 11-5-1]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-5]		
Mesentery	Fat	Necrosis	Moderate
	[Necrosis TGLS = 10-23]		
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 12-1]		
* Prostate		Inflammation	Chronic, Marked
	[Inflammation TGLS = 4-7-2]		
Skeletal Muscle		Hemorrhage	Focal, Minimal
	[Hemorrhage TGLS = 2-22]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 12	TRT#: 1	SEX: Male	DAY ON TEST: 607
	DOSE: VEHICLE CONTROL	DISP: Moribund Sacrifice	HISTO: 92-63662

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Hemorrhage TGLS = 1-21]	Subcut Tiss	Hemorrhage	Focal, Mild
* Spleen [Leukemia Mononuclear TGLS = 5-6]		Leukemia Mononuclear	
* Stomach, Forestomach		Erosion	Minimal
	Epithelium	Hyperplasia	Mild
		Inflammation	Chronic, Mild
* Stomach, Glandular		Inflammation	Chronic, Mild
* Testes [Adenoma TGLS = 3-7, 3-7-3]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH	- Liver Leukemia Mononuclear
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 728

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 92-64800

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Epididymis	* Esophagus	Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Brain		Atrophy	Focal, Moderate
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 6-23]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
		Congestion	Mild
		Hepatodiaphragmatic Nodule	Moderate
		Mixed Cell Focus	Marked
[Congestion TGLS = 8-6]			
[Hepatodiaphragmatic Nodule TGLS = 7-24]			
[Mixed Cell Focus TGLS = 11-26]			
* Mammary Gland		Carcinoma	
		Ectasia	Mild
		Fibroadenoma	
[Carcinoma TGLS = 3-21]			
[Fibroadenoma TGLS = 10-27]			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-1-1]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 4-22]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 13	TRT#: 1	SEX: Male	DAY ON TEST: 728
	DOSE: VEHICLE CONTROL	DISP: Moribund Sacrifice	HISTO: 92-64800

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 5-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 546

DOSE: VEHICLE CONTROL

DISP: Natural Death

HISTO: 92-62190

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Blood Vessel | * Bone | * Epididymis | * Esophagus |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Mammary Gland | * Nose | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|---|------------|------------------------|-----------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 6-10] | | | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Hemorrhage | Focal, Moderate |
| | | Leukemia Mononuclear | |
| [Hemorrhage TGLS = 12-1] | | | |
| [Leukemia Mononuclear TGLS = 12-1] | | | |
| * Kidney | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 7-5] | | | |
| * Liver | | Hepatocellular Adenoma | |
| | | Leukemia Mononuclear | |
| [Hepatocellular Adenoma TGLS = 13-22] | | | |
| [Leukemia Mononuclear TGLS = 10-6] | | | |
| * Lung | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 11-2] | | | |
| Lymph Node | Pancreatic | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 5-7] | | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 1-8] | | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 8-5] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 14	TRT#: 1	SEX: Male	DAY ON TEST: 546
	DOSE: VEHICLE CONTROL	DISP: Natural Death	HISTO: 92-62190

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery		Leukemia Mononuclear	
	Fat	Necrosis	Moderate
[Leukemia Mononuclear TGLS = 9-21]			
[Necrosis TGLS = 9-21]			
* Preputial Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 2-8-1]			
* Prostate		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 719

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 92-64801

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

Harderian Gland		Hypertrophy	Moderate
Note: Acini diffusely distended with glandular secretion.			
* Kidney		Histiocytic Sarcoma	
		Nephropathy	Minimal
* Liver		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 3-6]			
* Lung		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 5-2]			
* Lymph Node, Mesenteric		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 4-21]			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH - Liver Histiocytic Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 670

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 92-64802

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
		Fibroadenoma	
* Mammary Gland			
[Fibroadenoma TGLS = 3-22]			
* Pancreas	Acinus	Adenoma	
[Adenoma TGLS = 5-7]			
* Preputial Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 1-8]			
* Prostate		Inflammation	Chronic, Minimal
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 2-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLS = 6-3]			

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64803

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Blood Vessel | * Bone | * Bone Marrow | * Brain |
| * Epididymis | * Esophagus | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Parathyroid Gland |
| * Pituitary Gland | * Preputial Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|-------------------|-------------------|-------------------------|-------------|
| * Adrenal Cortex | | Hyperplasia | Focal, Mild |
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Minimal |
| | | Clear Cell Focus | Minimal |
| | Bile Duct | Hyperplasia | Minimal |
| * Pancreas | Acinus | Adenoma | |
| * Testes | Interstitial Cell | Adenoma | |

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 616

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 92-62534

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Minimal
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-6]			
Lymph Node	Pancreatic	Hyperplasia	Histiocytic, Mild
	Mediastinal	Pigmentation	Mild
[Hyperplasia TGLS = 4-7]			
[Pigmentation TGLS = 5-3-1]			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Prostate		Cyst	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64804

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Brain [Atrophy TGLS = 6-1-1]		Atrophy	Focal, Marked
* Kidney [Nephropathy TGLS = 4-5]		Nephropathy	Marked
* Liver [Ectasia TGLS = 1-8]	Bile Duct	Hyperplasia Ectasia	Minimal Moderate
Mesentery [Necrosis TGLS = 3-21]	Fat	Necrosis	Moderate
* Pancreas [Adenoma TGLS = 5-1]	Acinus Pars Distalis	Adenoma Adenoma	
* Prostate		Inflammation	Chronic, Minimal
* Spleen [Fibrosis TGLS = 2-6]		Fibrosis	Focal, Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia Inflammation Ulcer	Moderate Chronic, Moderate Moderate
* Testes [Adenoma TGLS = 8-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 617

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 92-62535

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Pancreas | * Parathyroid Gland | * Preputial Gland |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|---|---------------------------|-------------------------|-------------------|
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Minimal |
| | | Mixed Cell Focus | Minimal |
| [Basophilic Focus TGLS = 2-6] | | | |
| [Mixed Cell Focus TGLS = 2-6] | | | |
| Oral Mucosa | | Squamous Cell Papilloma | |
| [Squamous Cell Papilloma TGLS = 3-21] | | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| * Prostate | | Inflammation | Chronic, Moderate |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| [Adenoma TGLS = 1-7] | | | |

PRIMARY CAUSE OF DEATH

- Oral Mucosa Squamous Cell Papilloma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64805

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
* Lung	Alveolar Epith	Hyperplasia	Mild
[Hyperplasia TGLS = 4-2-1]			
* Pancreas	Acinus	Atrophy	Focal, Marked
* Pituitary Gland		Angiectasis	Moderate
[Angiectasis TGLS = 3-1]			
* Preputial Gland		Inflammation	Chronic, Moderate
[Inflammation TGLS = 1-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64806

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
		Hepatodiaphragmatic Nodule	Moderate
	Bile Duct	Hyperplasia	Mild
[Hepatodiaphragmatic Nodule TGLS = 3-23]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-22]			
* Prostate		Inflammation	Chronic, Minimal
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 23

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64807

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Brain		Atrophy	Focal, Moderate
[Atrophy TGLS = 7-1-1]			
Eye	Sclera	Metaplasia	Osseous, Focal, Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
* Lung	Alveolar Epith	Hyperplasia	Mild
[Hyperplasia TGLS = 5-2-1]			
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1-1]			
* Preputial Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 2-8-1]			
* Prostate		Inflammation	Chronic, Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 700

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 92-64808

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Preputial Gland		Carcinoma	
Note: One preputial gland is missing. [Carcinoma TGLS = 2-22]			
* Skin	Subcut Tiss	Edema Keratoacanthoma	Moderate
Note: Edema involves area of salivary glands. [Keratoacanthoma TGLS = 1-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

- Preputial Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64809

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Lung	Alveolar Epith	Hyperplasia	Mild
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Prostate		Inflammation	Chronic, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64810

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Minimal
		Infiltration Cellular	Mixed Cell, Mild
* Lung	Alveolar Epith	Hyperplasia	Mild
[Hyperplasia TGLS = 5-2-1]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 4-22]			
* Pancreas	Acinus	Adenoma	
	Acinus	Hyperplasia	Focal, Mild
[Adenoma TGLS = 3-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Degeneration	Cystic, Moderate
		Inflammation	Chronic, Mild
[Degeneration TGLS = 1-8-1]			
* Prostate		Inflammation	Chronic, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 614

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 92-62536

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLS = 4-2-1]		
* Prostate		Inflammation	Chronic, Minimal
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLS = 1-21]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[Hematopoietic Cell Proliferation TGLS = 3-6]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-7]		

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64811

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Islets, Pancreatic [Carcinoma TGLS = 4-22]		Carcinoma	
* Kidney		Nephropathy	Mild
* Liver [Basophilic Focus TGLS = 5-6]	Bile Duct	Basophilic Focus Hyperplasia	Minimal Mild
Lymph Node [Hemorrhage TGLS = 6-3-1]	Mediastinal	Hemorrhage	Moderate
Mesentery [Necrosis TGLS = 3-21]	Fat	Necrosis	Moderate
* Pancreas	Acinus Acinus	Atrophy Hyperplasia	Focal, Minimal Focal, Marked
* Preputial Gland [Inflammation TGLS = 1-8-1]		Inflammation	Chronic, Moderate
* Prostate		Inflammation	Chronic, Minimal
* Testes [Adenoma TGLS = 2-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Carcinoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 598

DOSE: VEHICLE CONTROL

DISP: Natural Death

HISTO: 92-62390

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Heart	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum		

OBSERVATIONS

* Adrenal Medulla [Pheochromocytoma Benign TGLS = 2-10]		Pheochromocytoma Benign	
* Brain [Atrophy TGLS = 3-1-1]		Atrophy	Focal, Moderate
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
* Mammary Gland		Ectasia	Mild
Mesentery	Artery	Inflammation	Chronic, Minimal
* Pituitary Gland [Adenoma TGLS = 4-1]	Pars Distalis	Adenoma	
* Testes [Degeneration TGLS = 1-7]	Germinal Epith	Degeneration	Marked
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64812

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
Eye		Cataract	Moderate
		Hemorrhage	Moderate
	Cornea	Pigmentation	Mild
		Retinal Detachment	Moderate
[Hemorrhage TGLS = 1-22]			
[Pigmentation TGLS = 1-22]			
* Kidney		Nephropathy	Mild
* Pancreas	Acinus	Adenoma	Multiple
	Acinus	Atrophy	Focal, Mild
[Adenoma TGLS = 3-21]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 572

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 92-62191

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Epididymis [Mesothelioma Malignant TGLS = 5-7-1]		Mesothelioma Malignant	Metastatic (Peritoneum)
* Kidney		Nephropathy	Mild
* Liver [Basophilic Focus TGLS = 7-24]		Basophilic Focus	Minimal
* Lung [Osteosarcoma TGLS = 9-2]		Osteosarcoma	Metastatic (Uncertain Primary Site)
Mesentery [Necrosis TGLS = 6-23]	Fat	Necrosis	Mild
* Pancreas Peritoneum [Mesothelioma Malignant TGLS = 6-23]	Acinus	Atrophy Mesothelioma Malignant	Focal, Minimal
* Pituitary Gland * Preputial Gland [Carcinoma TGLS = 1-21] [Cyst TGLS = 1-21]	Pars Distalis	Cytoplasmic Alteration Carcinoma Cyst	Focal, Minimal Marked
Skeletal Muscle [Mesothelioma Malignant TGLS = 3-22]		Mesothelioma Malignant	Metastatic (Peritoneum)
* Testes [Adenoma TGLS = 4-7]	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 31	TRT#: 1	SEX: Male	DAY ON TEST: 572
	DOSE: VEHICLE CONTROL	DISP: Moribund Sacrifice	HISTO: 92-62191

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	Follicle	Cyst	Minimal
PRIMARY CAUSE OF DEATH	- Peritoneum Mesothelioma Malignant		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 727

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 92-64813

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Epididymis	* Esophagus	Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Minimal
* Brain		Atrophy	Focal, Moderate
[Atrophy TGLS = 11-1-1]			
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Moderate
		Infiltration Cellular	Mixed Cell, Mild
Lymph Node	Mediastinal	Hemorrhage	Moderate
[Hemorrhage TGLS = 10-3-1]			
* Mammary Gland		Ectasia	Moderate
[Ectasia TGLS = 2-8]			
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 12-1]			
* Prostate		Inflammation	Chronic, Marked
[Inflammation TGLS = 6-7-2]			
* Seminal Vesicle		Inflammation	Chronic, Marked
[Inflammation TGLS = 7-7-3]			
* Skin	Subcut Tiss	Fibroma	Multiple
[Fibroma TGLS = 3-21, 4-22]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 8-6]			
* Stomach, Forestomach		Diverticulum	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 32	TRT#: 1	SEX: Male	DAY ON TEST: 727
	DOSE: VEHICLE CONTROL	DISP: Moribund Sacrifice	HISTO: 92-64813

ORGAN AND ACCOUNTABLE SITE STATUS

[Diverticulum TGLS = 13-4-1]	Epithelium	Hyperplasia	Mild
[Hyperplasia TGLS = 13-4-1]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 5-7]			

PRIMARY CAUSE OF DEATH - Prostate Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 671

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 92-64814

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Mammary Gland
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Carcinoma	
[Carcinoma TGLS = 5-21]			
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Mild
[Hepatodiaphragmatic Nodule TGLS = 10-23]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: Pancreatic lymph node is on slide 7-3.			
[Leukemia Mononuclear TGLS = 9-5-1]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Inflammation	Suppurative, Minimal
* Pancreas	Acinus	Hyperplasia	Focal, Marked
[Hyperplasia TGLS = 4-7]			
* Pituitary Gland	Pars Distalis	Cytoplasmic Alteration	Focal, Minimal
* Preputial Gland		Degeneration	Cystic, Mild
[Degeneration TGLS = 1-8]			
* Prostate		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 671

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 92-64814

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 3-6]		Leukemia Mononuclear
* Testes [Adenoma TGLS = 2-7]	Bilateral, Interstit Cell	Adenoma
* Thymus Tongue [Squamous Cell Papilloma TGLS = 8-22]		Leukemia Mononuclear Squamous Cell Papilloma

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64815

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
		Infiltration Cellular	Mixed Cell, Mild
* Mammary Gland		Ectasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Prostate		Inflammation	Chronic, Mild
* Spleen		Fibrosis	Focal, Mild
[Fibrosis TGLS = 2-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 35

TRT#: 1

SEX: Male

DAY ON TEST: 649

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 92-64816

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Brain		Atrophy	Focal, Marked
[Atrophy TGLS = 4-1-1]			
* Kidney		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Mixed Cell Focus	Mild
[Mixed Cell Focus TGLS = 2-6]			
* Mammary Gland		Ectasia	Mild
[Ectasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
Note: Adenoma is acidophilic type.			
[Adenoma TGLS = 3-1]			
* Testes	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64817

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Moderate
* Liver		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 6-6]			
* Lung		Histiocytic Sarcoma	
Lymph Node	Mediastinal	Histiocytic Sarcoma	
Mesentery		Histiocytic Sarcoma	
	Fat	Necrosis	Moderate
[Histiocytic Sarcoma TGLS = 3-23]			
[Necrosis TGLS = 3-23, 4-24]			
* Pancreas		Histiocytic Sarcoma	
* Prostate		Histiocytic Sarcoma	
Skeletal Muscle		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 2-22]			
* Skin	Subcut Tiss	Histiocytic Sarcoma	
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 388

DOSE: VEHICLE CONTROL

DISP: Dosing Accident

HISTO: 92-61174

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Spleen

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung		Congestion	Marked
* Nose		Inflammation	Suppurative, Mild
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thymus		Hemorrhage	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 726

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 92-64818

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Brain		Atrophy	Focal, Moderate
[Atrophy TGLS = 5-1]			
* Islets, Pancreatic		Carcinoma	Multiple
[Carcinoma TGLS = 2-7]			
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Moderate
		Pigmentation	Mild
* Lymph Node, Mesenteric			
[Pigmentation TGLS = 3-5]			
* Mammary Gland		Ectasia	Moderate
[Ectasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Preputial Gland		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Chronic, Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Chronic, Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 617

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 92-62537

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain [Atrophy TGLS = 4-1-1]		Atrophy	Focal, Marked
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
* Lung	Alveolar Epith	Hyperplasia	Mild
* Mammary Gland [Ectasia TGLS = 1-8]		Ectasia	Moderate
Mesentery [Necrosis TGLS = 3-21]	Fat	Necrosis	Moderate
* Pituitary Gland [Adenoma TGLS = 5-1]	Pars Distalis	Adenoma	
* Prostate		Inflammation	Chronic, Marked
* Stomach, Glandular		Erosion	Minimal
		Inflammation	Chronic, Minimal
* Testes [Adenoma TGLS = 2-7, 2-7-3]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 638

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 92-63663

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hemorrhage	Mild
[Hemorrhage TGLS = 3-10]			
* Bone	Cranium	Hemorrhage	Mild
[Hemorrhage TGLS = 19-27]			
* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage	Focal, Moderate
		Leukemia Mononuclear	
[Hemorrhage TGLS = 18-1]			
[Leukemia Mononuclear TGLS = 18-1]			
* Kidney		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-5]			
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 13-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 14-5-1]			
[Leukemia Mononuclear TGLS = 6-7]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-5]			
* Mammary Gland		Ectasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 638

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 92-63663

ORGAN AND ACCOUNTABLE SITE STATUS

Peritoneum [Fibrosarcoma TGLS = 11-24]		Fibrosarcoma	Metastatic (Spleen)
* Prostate		Inflammation	Chronic, Mild
Skeletal Muscle [Fibrosarcoma TGLS = 5-21, 12-25]		Fibrosarcoma	Metastatic (Spleen)
* Skin [Hemorrhage TGLS = 16-8]	Subcut Tiss	Hemorrhage	Focal, Mild
* Spleen [Fibrosarcoma TGLS = 9-23] [Hemorrhage TGLS = 8-22] [Leukemia Mononuclear TGLS = 7-6]		Fibrosarcoma Hemorrhage Leukemia Mononuclear	Marked
* Testes [Adenoma TGLS = 2-7]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Liver	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64819

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney		Cyst	Moderate
		Nephropathy	Mild
[Cyst TGLS = 1-21]			
* Liver		Basophilic Focus	Minimal
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Mild
[Hepatodiaphragmatic Nodule TGLS = 3-22]			
* Nose		Inflammation	Suppurative, Mild
Note: Nasal exudate contains fungi.			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 658

DOSE: VEHICLE CONTROL

DISP: Natural Death

HISTO: 92-64820

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Lung		Inflammation	Suppurative, Moderate
		Leukemia Mononuclear	
* Mammary Gland		Ectasia	Minimal
[Ectasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Prostate		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Lung Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64821

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
* Pancreas	Acinus	Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Moderate
	[Degeneration TGLS = 3-8-1]		
* Prostate		Inflammation	Chronic, Mild
* Spleen		Fibrosis	Focal, Moderate
	[Fibrosis TGLS = 5-21]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 4-7-3]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64822

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Kidney		Cyst	Marked
		Nephropathy	Mild
[Cyst TGLS = 4-22]			
* Liver		Angiectasis	Mild
		Basophilic Focus	Mild
		Hepatocellular Adenoma	Multiple
		Hepatodiaphragmatic Nodule	Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Hepatocellular Adenoma TGLS = 5-21,6-24]			
[Hepatodiaphragmatic Nodule TGLS = 3-21]			
* Nose		Inflammation	Suppurative, Moderate
Note: Nasal exudate contains fungi.			
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland		Angiectasis	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 533

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 92-61689

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Esophagus	Periesoph Tiss	Inflammation Perforation	Focal, Marked Moderate
<p>Note: Perforation not visualized microscopically, but was seen grossly at necropsy. Microscopic evidence of inflammation supports diagnosis.</p> <p>[Inflammation TGLS = 5-23]</p> <p>[Perforation TGLS = 5-23]</p>			
* Kidney		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule Vacuolization Cytoplasmic	Moderate Mild
<p>[Hepatodiaphragmatic Nodule TGLS = 3-22]</p>			
Lymph Node	Mediastinal Mediastinal	Hemorrhage Hyperplasia	Minimal Lymphoid, Moderate
<p>[Hemorrhage TGLS = 4-3-1]</p> <p>[Hyperplasia TGLS = 4-3-1]</p>			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Prostate		Inflammation	Chronic, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
<p>[Adenoma TGLS = 1-7]</p>			

PRIMARY CAUSE OF DEATH - Esophagus Perforation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 671

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 92-64823

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
		Infiltration Cellular	Mixed Cell, Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-22]			
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 1-21]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

- Preputial Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 47	TRT#: 1	SEX: Male	DAY ON TEST: 642
	DOSE: VEHICLE CONTROL	DISP: Natural Death	HISTO: 92-63664

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

AUTO PRECLUDES DIAG.

* Kidney

INSUFFICIENT TISSUE

* Lymph Node, Mandibular

OBSERVATIONS

* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
Note: NO CORRELATING LESION FOR TGL 4-22.			
* Lung		Inflammation	Suppurative, Moderate
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-21]			
* Preputial Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 1-8]			
* Prostate		Inflammation	Chronic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH - Lung Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64824

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Minimal
	Bile Duct	Hyperplasia	Mild
Lymph Node	Mediastinal	Pigmentation	Mild
[Pigmentation TGLS = 1-3-1]			
* Nose		Inflammation	Suppurative, Mild
Note: Nasal exudate contains fungi.			
* Pituitary Gland	Pars Distalis	Adenoma	
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64825

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	Minimal
* Mammary Gland		Ectasia	Mild
* Nose	Respirat Epith	Hyperplasia	Focal, Mild
* Pancreas	Acinus	Atrophy	Focal, Mild
	Acinus	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 4-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
Note: Adenoma is the acidophilic type.			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64826

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

INSUFFICIENT TISSUE

Eye

OBSERVATIONS

Eye

Note: Section of eye was taken along an equatorial plane, instead of a meridional plane, with result that tissues anterior to lens missed.

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
	[Basophilic Focus TGLS = 5-6]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pancreas	Acinus	Adenoma	
	Acinus	Atrophy	Focal, Minimal
	Acinus	Hyperplasia	Focal, Mild
	[Adenoma TGLS = 4-7]		
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Inflammation	Chronic, Mild
	[Inflammation TGLS = 3-7-2]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 51

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65257

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
[Basophilic Focus TGLS = 2-6]			
* Lung		Fibrosis	Focal, Mild
* Nose		Inflammation	Suppurative, Minimal
Note: Nasal exudate contains fungus.			
* Pancreas	Acinus	Hyperplasia	Focal, Marked
* Skin		Basal Cell Adenoma	
[Basal Cell Adenoma TGLS = 1-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 52

TRT#: 3

SEX: Male

DAY ON TEST: 723

DOSE: 7.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 93-65258

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Brain		Atrophy	Focal, Moderate
[Atrophy TGLS = 4-1-1]			
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Prostate		Inflammation	Chronic, Marked
[Inflammation TGLS = 2-7-2]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 53	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 7.5 MG/KG	DISP: Terminal Sacrifice	HISTO: 93-65259

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 2-21]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Minimal
		Infiltration Cellular	Mixed Cell, Mild
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Prostate		Inflammation	Chronic, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	Follicle	Cyst	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 54

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65260

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Inguinal	Leukemia Mononuclear	
	Inguinal	Pigmentation	Mild
[Pigmentation TGLS = 4-22]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Pancreas	Acinus	Hyperplasia	Focal, Mild
* Preputial Gland		Inflammation	Chronic, Minimal
* Skin	Subcut Tiss	Fibrosarcoma	
[Fibrosarcoma TGLS = 1-21]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 55 **TRT#:** 3 **SEX:** Male **DAY ON TEST:** 730
DOSE: 7.5 MG/KG **DISP:** Terminal Sacrifice **HISTO:** 93-65261

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Brain	* Epididymis	* Esophagus	Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone		Callus	Moderate
[Callus TGLS = 1-21]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
[Basophilic Focus TGLS = 5-24]			
* Preputial Gland		Hyperplasia	Mild
* Prostate		Inflammation	Chronic, Mild
* Skin		Trichoepithelioma	
[Trichoepithelioma TGLS = 4-23]			
* Thyroid Gland	Follicle	Cyst	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 56	TRT#: 3	SEX: Male	DAY ON TEST: 730
	DOSE: 7.5 MG/KG	DISP: Terminal Sacrifice	HISTO: 93-65262

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
		Hepatodiaphragmatic Nodule	Moderate
	Bile Duct	Hyperplasia	Mild
[Hepatodiaphragmatic Nodule TGLS = 2-21]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 57

TRT#: 3

SEX: Male

DAY ON TEST: 713

DOSE: 7.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 93-65263

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Atrophy	Focal, Moderate
[Atrophy TGLS = 13-1-1]			
* Kidney	Renal Tubule	Dilatation	Mild
		Nephropathy	Mild
[Dilatation TGLS = 8-5]			
[Nephropathy TGLS = 8-5]			
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-6,10-24]			
* Lung	Alveolar Epith	Hyperplasia	Mild
[Hyperplasia TGLS = 12-2]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mediastinal	Pigmentation	Mild
[Leukemia Mononuclear TGLS = 11-3-1]			
[Pigmentation TGLS = 11-3-1]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 7-23]			
Peritoneum		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 4-22, 5-7-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 57	TRT#: 3	SEX: Male	DAY ON TEST: 713
	DOSE: 7.5 MG/KG	DISP: Moribund Sacrifice	HISTO: 93-65263

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 14-1]	Pars Distalis	Adenoma	
* Prostate		Inflammation	Chronic, Mild
* Skin [Melanoma Benign TGLS = 1-21]	Subcut Tiss	Melanoma Benign	
* Spleen [Leukemia Mononuclear TGLS = 6-6]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 3-7]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH	- Liver Leukemia Mononuclear
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 58

TRT#: 3

SEX: Male

DAY ON TEST: 719

DOSE: 7.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 93-65264

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea

MISSING

* Thymus

OBSERVATIONS

* Kidney	Renal Tubule	Dilatation	Moderate
	Papilla	Inflammation	Suppurative, Mild
		Necrosis	Moderate
		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Minimal
* Pancreas	Acinus	Adenoma	
	Acinus	Atrophy	Focal, Minimal
* Preputial Gland		Degeneration	Cystic, Moderate
	[Degeneration TGLS = 3-8-1]		
* Prostate		Inflammation	Chronic, Marked
	[Inflammation TGLS = 2-21, 2-21-1]		
Ureter	Transit Epithe	Hyperplasia	Moderate
		Inflammation	Chronic, Moderate
* Urinary Bladder		Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

- Prostate Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 59

TRT#: 3

SEX: Male

DAY ON TEST: 644

DOSE: 7.5 MG/KG

DISP: Natural Death

HISTO: 92-63675

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Fibrous Histiocytoma	
* Epididymis		Inflammation	Chronic, Mild
* Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Moderate
		Fibrous Histiocytoma	
* Liver		Fibrous Histiocytoma	
	[Fibrous Histiocytoma TGLS = 9-6]		
* Lung		Fibrous Histiocytoma	
	[Fibrous Histiocytoma TGLS = 7-2,7-2-1,8-2-1]		
Lymph Node	Inguinal	Fibrous Histiocytoma	
	Mediastinal	Fibrous Histiocytoma	
* Lymph Node, Mesenteric		Fibrous Histiocytoma	
	[Fibrous Histiocytoma TGLS = 6-22]		
* Pancreas	Acinus	Atrophy	Focal, Mild
* Preputial Gland		Inflammation	Chronic, Moderate
	[Inflammation TGLS = 1-8]		
* Prostate		Inflammation	Chronic, Minimal
* Skin	Subcut Tiss	Fibrous Histiocytoma	
	[Fibrous Histiocytoma TGLS = 10-23]		
* Spleen		Fibrous Histiocytoma	
	[Fibrous Histiocytoma TGLS = 4-6,5-21]		
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 59

TRT#: 3

SEX: Male

DAY ON TEST: 644

DOSE: 7.5 MG/KG

DISP: Natural Death

HISTO: 92-63675

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-7]

[Degeneration TGLS = 3-7]

PRIMARY CAUSE OF DEATH

- Liver Fibrous Histiocytoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 60

TRT#: 3

SEX: Male

DAY ON TEST: 566

DOSE: 7.5 MG/KG

DISP: Natural Death

HISTO: 92-62205

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Brain [Atrophy TGLS = 4-1-1]		Atrophy	Focal, Marked
* Kidney		Nephropathy	Minimal
* Liver		Mineralization	Focal, Minimal
* Mammary Gland [Ectasia TGLS = 1-8]		Ectasia	Moderate
		Hyperplasia	Mild
Mesentery [Necrosis TGLS = 2-21]	Fat	Necrosis	Mild
* Pituitary Gland [Adenoma TGLS = 3-1-1]	Pars Distalis	Adenoma	
* Prostate		Inflammation	Chronic, Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 61	TRT#: 3	SEX: Male	DAY ON TEST: 500
	DOSE: 7.5 MG/KG	DISP: Natural Death	HISTO: 92-61442

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Pituitary Gland	* Stomach, Glandular

AUTO PRECLUDES DIAG.

* Intestine Small, Duodenum	* Kidney	* Nose
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OBSERVATIONS

* Adrenal Medulla [Pheochromocytoma Malignant TGLS = 5-21]		Pheochromocytoma Malignant	
* Epididymis [Inflammation TGLS = 2-7-1]		Inflammation	Chronic, Mild
* Kidney Note: Right kidney is missing.			
* Prostate		Inflammation	Chronic, Minimal
* Testes [Adenoma TGLS = 3-7]	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Adrenal Medulla Pheochromocytoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 62

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65265

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Pancreas | * Parathyroid Gland | * Preputial Gland |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|----------------------------|---------------------------|------------------------|------------------|
| * Kidney | | Nephropathy | Mild |
| * Liver | Bile Duct | Hyperplasia | Mild |
| Lymph Node | Mediastinal | Hemorrhage | Mild |
| * Pituitary Gland | | Angiectasis | Moderate |
| | Pars Distalis | Cytoplasmic Alteration | Focal, Mild |
| [Angiectasis TGLS = 2-1] | | | |
| * Prostate | | Inflammation | Chronic, Minimal |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| [Adenoma TGLS = 1-7] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 63	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 7.5 MG/KG	DISP: Terminal Sacrifice	HISTO: 93-65266

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Brain		Glioma Malignant	
[Glioma Malignant TGLS = 2-1, 2-1-1]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
Lymph Node	Mediastinal	Hemorrhage	Moderate
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Prostate		Inflammation	Chronic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 64

TRT#: 3

SEX: Male

DAY ON TEST: 667

DOSE: 7.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 93-65036

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Brain [Atrophy TGLS = 4-1-1]		Atrophy	Focal, Moderate
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
* Lymph Node, Mandibular [Hyperplasia TGLS = 2-8]		Hyperplasia	Moderate
* Mammary Gland [Ectasia TGLS = 1-8]		Ectasia	Mild
* Pituitary Gland [Adenoma TGLS = 3-1]	Pars Distalis	Adenoma	
* Prostate		Inflammation	Chronic, Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 65

TRT#: 3

SEX: Male

DAY ON TEST: 558

DOSE: 7.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-62206

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	Lymph Node	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Kidney	Papilla	Mineralization	Focal, Minimal
		Nephropathy	Minimal
* Preputial Gland		Hyperplasia	Mild
* Prostate		Inflammation	Chronic, Mild
* Salivary Glands		Schwannoma Malignant	Metastatic (Skin)
* Skin	Subcut Tiss	Schwannoma Malignant	
	[Schwannoma Malignant TGLS = 2-21]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 3-7]		

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Schwannoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 66

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65267

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
Mesentery	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	Minimal
	Bile Duct	Hyperplasia	Mild
* Nose		Inflammation	Suppurative, Mild
Note: Nasal exudate contains fungus.			
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Cytoplasmic Alteration	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 1-8-1]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 67

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65268

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
		Ectasia	Mild
* Mammary Gland			
[Ectasia TGLS = 1-8]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-21]			
* Pancreas	Acinus	Adenoma	
	Acinus	Hyperplasia	Focal, Minimal
[Adenoma TGLS = 4-23]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Prostate		Inflammation	Chronic, Mild
* Spleen		Fibrosis	Focal, Moderate
[Fibrosis TGLS = 5-22]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 68

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65269

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
Eye	Sclera	Metaplasia	Osseous, Focal, Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 5-23]			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Preputial Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 2-21]			
* Spleen		Fibroma	
[Fibroma TGLS = 3-22]		Fibrosis	Focal, Moderate
[Fibrosis TGLS = 3-22]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 69

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65270

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
		Infiltration Cellular	Mixed Cell, Mild
* Pancreas	Acinus	Adenoma	
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Marked
* Prostate		Inflammation	Chronic, Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-7]		
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 70

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65271

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Preputial Gland

OBSERVATIONS

* Brain		Atrophy	Focal, Mild
[Atrophy TGLS = 4-1-1]			
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Minimal
* Mammary Gland		Ectasia	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 5-21]			
* Nose		Inflammation	Suppurative, Mild
Note: Nasal exudate contains fungus.			
* Pituitary Gland	Pars Distalis	Adenoma	
Note: Pituitary gland tissue is disrupted, with pieces of its tissue introduced artifactually into brain tissue.			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Marked
[Adenoma TGLS = 2-7, 3-7]			
[Degeneration TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 71	TRT#: 3	SEX: Male	DAY ON TEST: 547
	DOSE: 7.5 MG/KG	DISP: Natural Death	HISTO: 92-62207

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Epididymis	* Esophagus	* Heart
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum		

OBSERVATIONS

* Brain [Atrophy TGLS = 4-1-1]		Atrophy	Focal, Moderate
* Kidney		Nephropathy	Minimal
* Pituitary Gland [Adenoma TGLS = 3-1-1]	Pars Distalis	Adenoma	
* Preputial Gland [Degeneration TGLS = 2-8-1]		Degeneration	Cystic, Minimal
* Prostate		Inflammation	Chronic, Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 72

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65272

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
* Pancreas	Acinus	Adenoma	
	Acinus	Atrophy	Focal, Minimal
* Prostate		Inflammation	Chronic, Mild
[Inflammation TGLS = 2-22]			
* Skin	Dermis	Atrophy	Focal, Mild
	Epidermis	Hyperplasia	Focal, Mild
[Atrophy TGLS = 1-21]			
[Hyperplasia TGLS = 1-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thyroid Gland	Follicle	Pigmentation	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 73

TRT#: 3

SEX: Male

DAY ON TEST: 497

DOSE: 7.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-61443

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Testes	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Brain [Atrophy TGLS = 6-1-1]		Atrophy	Focal, Moderate
* Kidney		Nephropathy	Minimal
* Mammary Gland [Ectasia TGLS = 1-8]		Ectasia	Moderate
Mesentery [Necrosis TGLS = 3-21]	Fat	Necrosis	Moderate
* Pituitary Gland [Adenoma TGLS = 5-1]	Pars Distalis	Adenoma	
* Preputial Gland [Degeneration TGLS = 2-8-1]		Degeneration	Cystic, Moderate
* Stomach, Glandular		Mineralization	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 74

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65273

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|--------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Epididymis | * Esophagus | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Preputial Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|----------------------------------|---------------------------|-------------------|---------------|
| * Adrenal Medulla | | Hyperplasia | Mild |
| * Intestine Large, Rectum | | Parasite Metazoan | Minimal |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Minimal |
| | Bile Duct | Hyperplasia | Mild |
| [Basophilic Focus TGLS = 2-21] | | | |
| * Lung | | Inflammation | Chronic, Mild |
| * Testes | Bilateral, Interstit Cell | Adenoma | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 75 **TRT#:** 3 **SEX:** Male **DAY ON TEST:** 730
DOSE: 7.5 MG/KG **DISP:** Terminal Sacrifice **HISTO:** 93-65274

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
* Lymph Node, Mandibular [Hemorrhage TGLS = 2-8]		Hemorrhage	Mild
* Mammary Gland		Ectasia	Mild
Mesentery [Necrosis TGLS = 6-24]	Fat	Necrosis	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland [Adenoma TGLS = 3-22]		Adenoma	
* Prostate		Inflammation	Chronic, Mild
* Skin [Keratoacanthoma TGLS = 1-21]		Keratoacanthoma	
* Spleen [Fibroma TGLS = 5-23]		Fibroma	
		Hematopoietic Cell Proliferation	Moderate
* Testes [Adenoma TGLS = 4-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	Follicle	Cyst	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 76

TRT#: 3

SEX: Male

DAY ON TEST: 234

DOSE: 7.5 MG/KG

DISP: Dosing Accident

HISTO: 91-59858

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Esophagus	Hemorrhage	Mild
[Hemorrhage TGLS = 1-3-1]	Inflammation	Focal, Moderate
[Inflammation TGLS = 1-3-1]		
* Prostate	Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 77	TRT#: 3	SEX: Male	DAY ON TEST: 730
	DOSE: 7.5 MG/KG	DISP: Terminal Sacrifice	HISTO: 93-65275

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Inflammation	Chronic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 2-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 78

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65276

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 4-22]			
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = 2-21]			
* Prostate		Inflammation	Chronic, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 79

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65277

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

Eye		Cataract	Moderate
	Retina	Degeneration	Marked
[Cataract TGLS = 1-23]			
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 5-22]			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 2-21]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 80

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65278

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Adrenal Medulla

OBSERVATIONS

* Adren Medulla

Note: Medullas of both adrenals are missing.

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Minimal
	Artery	Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Marked
* Prostate		Inflammation	Chronic, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 81

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65279

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla [Pheochromocytoma Complex TGLS = 5-21]		Pheochromocytoma Complex	
* Brain [Atrophy TGLS = 9-1-1]		Atrophy	Focal, Moderate
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Mammary Gland [Ectasia TGLS = 2-8, 7-23]		Ectasia	Marked
* Pancreas [Adenoma TGLS = 6-22]	Acinus Acinus	Adenoma Hyperplasia	Focal, Mild
* Pituitary Gland [Adenoma TGLS = 8-1]	Pars Distalis	Adenoma	
* Preputial Gland [Degeneration TGLS = 1-8-1]		Degeneration	Cystic, Moderate
* Prostate [Inflammation TGLS = 4-7-2]		Inflammation	Chronic, Moderate
* Testes [Adenoma TGLS = 3-7]	Interstitial Cell Interstitial Cell	Adenoma Hyperplasia	Mild
* Thyroid Gland	Follicle	Cyst	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 82

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65280

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Bone Marrow
- * Heart
- * Intestine Small, Duodenum
- * Kidney
- * Nose
- * Preputial Gland
- * Skin
- * Thymus

- * Adrenal Medulla
- * Brain
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lung
- * Pancreas
- * Prostate
- * Spleen
- * Thyroid Gland

- * Blood Vessel
- * Epididymis
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Lymph Node, Mandibular
- * Parathyroid Gland
- * Salivary Glands
- * Stomach, Forestomach
- * Trachea

- * Bone
- * Esophagus
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Lymph Node, Mesenteric
- * Pituitary Gland
- * Seminal Vesicle
- * Stomach, Glandular
- * Urinary Bladder

OBSERVATIONS

- * Liver
 - Basophilic Focus Minimal
 - Hepatocellular Adenoma
 - Hyperplasia Minimal
- [Hepatocellular Adenoma TGLS = 4-22]
- * Mammary Gland
 - Fibroadenoma
- [Fibroadenoma TGLS = 1-21]
- * Testes
 - Bilateral, Interstit Cell Adenoma
- [Adenoma TGLS = 2-7, 3-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 83	TRT#: 3	SEX: Male	DAY ON TEST: 734
	DOSE: 7.5 MG/KG	DISP: Terminal Sacrifice	HISTO: 93-65281

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
* Nose	Respirat Epith	Hyperplasia	Focal, Minimal
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Prostate		Inflammation	Chronic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 84

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65282

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Epididymis		Inflammation	Chronic, Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
* Pancreas	Acinus	Adenoma	Multiple
	Acinus	Atrophy	Focal, Minimal
[Adenoma TGLS = 4-22]			
* Preputial Gland		Inflammation	Chronic, Mild
[Inflammation TGLS = 1-8-1]			
* Prostate		Inflammation	Chronic, Mild
* Testes	Interstitial Cell	Adenoma	
	Germinal Epith	Degeneration	Marked
[Adenoma TGLS = 3-21]			
[Degeneration TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 85

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65283

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| Eye | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Preputial Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|---|---------------------------|---------------------------|---------|
| * Kidney | | Nephropathy | Mild |
| * Liver | Bile Duct | Hyperplasia | Minimal |
| * Skin | | Cyst Epithelial Inclusion | |
| | Subcut Tiss | Fibroma | |
| | Subcut Tiss | Melanoma Malignant | |
| [Cyst Epithelial Inclusion TGLS = 3-23] | | | |
| [Fibroma TGLS = 2-22] | | | |
| [Melanoma Malignant TGLS = 1-21] | | | |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| [Adenoma TGLS = 5-7] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 86

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65284

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
Mesentery	Artery	Inflammation	Chronic, Marked
[Inflammation TGLS = 2-7]			
* Pituitary Gland		Angiectasis	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 87

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65285

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
		Hepatodiaphragmatic Nodule	Moderate
	Bile Duct	Hyperplasia	Mild
	[Hepatodiaphragmatic Nodule TGLS = 6-23]		
* Mammary Gland		Ectasia	Moderate
	[Ectasia TGLS = 2-8]		
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Hyperplasia	Mild
	[Hyperplasia TGLS = 4-22]		
* Prostate		Inflammation	Chronic, Mild
* Skin	Subcut Tiss	Melanoma Malignant	
	[Melanoma Malignant TGLS = 1-21]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 5-7]		
* Thyroid Gland	C Cell	Carcinoma	
	[Carcinoma TGLS = 3-3]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 88

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65286

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

Eye	Sclera	Metaplasia	Osseous, Focal, Mild
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Minimal
	Bile Duct	Basophilic Focus	Minimal
		Hyperplasia	Minimal
		Infiltration Cellular	Mixed Cell, Mild
		Mixed Cell Focus	Minimal
[Basophilic Focus TGLS = 8-25]			
Lymph Node	Iliac	Ectasia	Marked
	Inguinal	Hyperplasia	Marked
[Ectasia TGLS = 5-22]			
[Hyperplasia TGLS = 3-8]			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 2-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 89

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65287

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Brain		Atrophy	Focal, Moderate
[Atrophy TGLS = 7-1-1]			
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
Lymph Node	Mediastinal	Ectasia	Moderate
	Mediastinal	Pigmentation	Mild
[Ectasia TGLS = 5-3-1]			
[Pigmentation TGLS = 5-3-1]			
* Mammary Gland		Ectasia	Moderate
[Ectasia TGLS = 1-8]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-21]			
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Preputial Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 2-8]			
* Prostate		Inflammation	Chronic, Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 89

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65287

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 90

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65288

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-21]			
* Pancreas	Acinus	Adenoma	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 91

TRT#: 3

SEX: Male

DAY ON TEST: 666

DOSE: 7.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 93-63037

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
Peripheral Nerve	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone		Osteosarcoma	
[Osteosarcoma TGLS = 8-23]			
* Bone Marrow		Necrosis	Focal, Mild
[Necrosis TGLS = 7-22]			
* Kidney		Infarct	Marked
	Artery	Osteosarcoma	Metastatic (Bone)
Note: Kidney infarct is due to presence of tumor embolus of osteosarcoma in right renal artery, near hilus of that kidney.			
[Infarct TGLS = 3-5]			
* Liver		Osteosarcoma	Metastatic (Bone)
[Osteosarcoma TGLS = 4-6, 4-21]			
* Lung		Necrosis	Focal, Marked
		Osteosarcoma	Metastatic (Bone)
[Necrosis TGLS = 5-2-1]			
[Osteosarcoma TGLS = 5-2-1]			
Lymph Node	Mediastinal	Hemorrhage	Moderate
[Hemorrhage TGLS = 6-3-1]			
Perph Nerve			
Note: A small portion of sciatic nerve is on slide 42. That portion of the nerve is morphologically normal.			
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Adenoma	
[Adenoma TGLS = 1-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 91	TRT#: 3	SEX: Male	DAY ON TEST: 666
	DOSE: 7.5 MG/KG	DISP: Moribund Sacrifice	HISTO: 93-63037

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Necrosis	Focal, Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH - Bone Osteosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 92

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65289

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Mixed Cell Focus	Mild
[Mixed Cell Focus TGLS = 4-6]			
* Lung		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Prostate		Inflammation	Chronic, Minimal
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Moderate
[Adenoma TGLS = 2-7]			
[Degeneration TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 93

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65290

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Parathyroid Gland | * Pituitary Gland | * Preputial Gland | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|----------------------------|---------------------------|------------------|------------------|
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Mild |
| | Bile Duct | Hyperplasia | Mild |
| * Lymph Node, Mandibular | | Hemorrhage | Mild |
| * Pancreas | Acinus | Atrophy | Focal, Mild |
| | Acinus | Hyperplasia | Focal, Moderate |
| * Prostate | | Inflammation | Chronic, Minimal |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| [Adenoma TGLS = 1-7] | | | |
| Tissue NOS | Mediastinum | Hemangioma | |
| [Hemangioma TGLS = 2-21] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 94

TRT#: 3

SEX: Male

DAY ON TEST: 616

DOSE: 7.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-62542

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone | * Bone Marrow |
| * Epididymis | * Esophagus | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Pancreas |
| * Parathyroid Gland | * Preputial Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Brain

OBSERVATIONS

- | | | | |
|----------------------------------|---------------------------|------------------------|----------------|
| * Adrenal Cortex | | Cytoplasmic Alteration | Focal, Minimal |
| * Kidney | | Nephropathy | Mild |
| * Liver | Bile Duct | Hyperplasia | Mild |
| | | Mixed Cell Focus | Mild |
| [Mixed Cell Focus TGLS = 1-21] | | | |
| * Pituitary Gland | Pars Distalis | Cyst | Mild |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| [Adenoma TGLS = 2-7] | | | |

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 95

TRT#: 3

SEX: Male

DAY ON TEST: 624

DOSE: 7.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-63676

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Epididymis		Mesothelioma Malignant	
* Kidney		Nephropathy	Mild
	Renal Tubule	Pigmentation	Moderate
Lymph Node	Mediastinal	Pigmentation	Moderate
[Pigmentation TGLS = 8-3-1]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 6-22]			
Peritoneum		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 2-21, 7-6-1]			
* Testes	Bilateral, Interstit Cell	Adenoma	
		Cyst	Moderate
[Adenoma TGLS = 5-7]			
[Cyst TGLS = 4-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Peritoneum Mesothelioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 96

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65291

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
[Basophilic Focus TGLS = 4-22]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-21]			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic, Moderate
[Inflammation TGLS = 1-8-1]			
* Prostate		Inflammation	Chronic, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 97

TRT#: 3

SEX: Male

DAY ON TEST: 372

DOSE: 7.5 MG/KG

DISP: Natural Death

HISTO: 91-60186

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Epididymis | * Esophagus | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| Lacrimal Gland | * Liver | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Preputial Gland | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|---------------------------|---------------------------|-----------------------|---------------|
| * Brain | | Astrocytoma Malignant | |
| * Lung | | Congestion | Moderate |
| [Congestion TGLS = 3-2] | | | |
| * Lymph Node, Mandibular | | Hemorrhage | Mild |
| [Hemorrhage TGLS = 1-8] | | | |
| * Prostate | | Inflammation | Chronic, Mild |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| * Thymus | | Hemorrhage | Moderate |

PRIMARY CAUSE OF DEATH

- Brain Astrocytoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 98

TRT#: 3

SEX: Male

DAY ON TEST: 706

DOSE: 7.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 93-63038

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-23]			
* Kidney		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-21]		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-7-3]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-22]			
Mesentery		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-1]			
* Prostate		Inflammation	Chronic, Minimal
Skeletal Muscle		Hemorrhage	Focal, Moderate
[Hemorrhage TGLS = 8-24]		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 98	TRT#: 3	SEX: Male	DAY ON TEST: 706
	DOSE: 7.5 MG/KG	DISP: Moribund Sacrifice	HISTO: 93-63038

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 3-6]		Leukemia Mononuclear
* Testes [Adenoma TGLS = 1-7]	Bilateral, Interstit Cell	Adenoma
* Thyroid Gland [Carcinoma TGLS = 7-3]	C Cell	Carcinoma

PRIMARY CAUSE OF DEATH	- Liver	Leukemia Mononuclear
------------------------	---------	----------------------

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 99

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65292

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Hypertrophy	Moderate
		Mineralization	Mild
[Hypertrophy TGLS = 2-5-1]			
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland		Angiectasis	Minimal
	Pars Distalis	Cytoplasmic Alteration	Focal, Minimal
* Prostate		Inflammation	Chronic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 100

TRT#: 3

SEX: Male

DAY ON TEST: 616

DOSE: 7.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-62543

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	Tissue NOS	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Brain		Atrophy	Focal, Moderate
[Atrophy TGLS = 3-1-1]			
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
* Lung	Alveolar Epith	Hyperplasia	Mild
* Mammary Gland		Ectasia	Minimal
[Ectasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Preputial Gland		Inflammation	Chronic, Mild
[Inflammation TGLS = 2-8-1]			
* Prostate		Inflammation	Chronic, Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 101

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65193

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
		Mixed Cell Focus	Minimal
		Fibroadenoma	
* Mammary Gland			
[Fibroadenoma TGLS = 1-21]			
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Cytoplasmic Alteration	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 102

TRT#: 5

SEX: Male

DAY ON TEST: 670

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 93-65025

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-10]			
* Adrenal Medulla		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-10]			
* Brain		Hemorrhage	Focal, Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-24]			
* Lung		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-23]			
* Prostate		Inflammation	Chronic, Mild
* Skin	Hair Follicle	Atrophy	Mild
	Subcut Tiss	Fibroma	
[Atrophy TGLS = 1-21]			
[Fibroma TGLS = 2-22]			
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			
* Thymus		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 102

TRT#: 5

SEX: Male

DAY ON TEST: 670

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 93-65025

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 103

TRT#: 5

SEX: Male

DAY ON TEST: 572

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-62199

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 4-7-1]			
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	Mild
[Leukemia Mononuclear TGLS = 6-6]			
[Mixed Cell Focus TGLS = 9-21]			
* Lung	Alveolar Epith	Hemorrhage	Mild
		Hyperplasia	Minimal
		Leukemia Mononuclear	
[Hemorrhage TGLS = 7-2-1]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Preputial Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 2-8-1]			
* Prostate		Inflammation	Chronic, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 103

TRT#: 5
DOSE: 25 MG/KG

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 572
HISTO: 92-62199

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes
[Adenoma TGLS = 3-7]

Bilateral, Interstit Cell

Adenoma

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 104

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65194

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Mixed Cell Focus	Minimal
		Necrosis	Moderate
Mesentery [Necrosis TGLS = 1-21]	Fat		
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Preputial Gland		Inflammation	Chronic, Minimal
* Testes [Adenoma TGLS = 2-7]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 105

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65195

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
Eye	Sclera	Metaplasia	Osseous, Focal, Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Focal, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 3-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 106

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65196

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Lymph Node, Mandibular [Hemorrhage TGLS = 2-8]		Hemorrhage	Minimal
Mesentery [Necrosis TGLS = 4-21]	Fat	Necrosis	Moderate
* Pituitary Gland	Pars Distalis	Cytoplasmic Alteration	Focal, Minimal
* Preputial Gland [Degeneration TGLS = 3-8-1]		Degeneration	Cystic, Moderate
* Prostate		Inflammation	Chronic, Minimal
* Testes [Adenoma TGLS = 5-7]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 107

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65197

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Blood Vessel | * Bone | * Bone Marrow | * Brain |
| * Epididymis | * Esophagus | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Parathyroid Gland | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|---|---------------------------|-------------------------|------|
| * Adrenal Cortex | | Adenoma | |
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| * Kidney | | Nephropathy | Mild |
| * Liver | Bile Duct | Hyperplasia | Mild |
| * Lymph Node, Mandibular | | Hemorrhage | Mild |
| Mesentery | | Accessory Spleen | Mild |
| [Accessory Spleen TGLS = 1-21] | | | |
| * Pancreas | Acinus | Adenoma | |
| * Skin | Subcut Tiss | Fibroma | |
| [Fibroma TGLS = 5-22] | | | |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| [Adenoma TGLS = 2-7] | | | |
| Tongue | | Squamous Cell Papilloma | |
| [Squamous Cell Papilloma TGLS = 4-23] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 108

TRT#: 5

SEX: Male

DAY ON TEST: 425

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-61180

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Bone Marrow
- * Heart
- * Intestine Small, Duodenum
- * Liver
- * Mammary Gland
- * Preputial Gland
- * Spleen
- * Thyroid Gland

- * Adrenal Medulla
- * Brain
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lung
- * Pancreas
- * Salivary Glands
- * Stomach, Forestomach
- * Trachea

- * Blood Vessel
- * Epididymis
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Lymph Node, Mandibular
- * Parathyroid Gland
- * Seminal Vesicle
- * Stomach, Glandular
- * Urinary Bladder

- * Bone
- * Esophagus
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Lymph Node, Mesenteric
- * Pituitary Gland
- * Skin
- * Thymus

OBSERVATIONS

- * Kidney
- * Nose
Note: Fungi present in nasal exudate.
- * Prostate
- * Testes

- Nephropathy
- Inflammation
- Inflammation
- Adenoma

- Mild
- Suppurative, Moderate
- Chronic, Moderate

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 109

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65198

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	Mild
[Mixed Cell Focus TGLS = 6-24]			
Mesentery	Artery	Inflammation	Chronic, Moderate
	Fat	Necrosis	Moderate
[Inflammation TGLS = 4-21]			
[Necrosis TGLS = 5-22]			
* Pancreas	Acinus	Atrophy	Focal, Mild
* Preputial Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 2-8-1]			
* Testes	Interstitial Cell	Adenoma	
	Germinal Epith	Degeneration	Moderate
[Adenoma TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 110

TRT#: 5

SEX: Male

DAY ON TEST: 422

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-61181

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Kidney		Nephropathy	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-22]			
* Nose		Inflammation	Suppurative, Moderate
* Preputial Gland		Inflammation	Chronic, Moderate
[Inflammation TGLS = 2-21]			
* Prostate		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

- Nose Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 111

TRT#: 5

SEX: Male

DAY ON TEST: 666

DOSE: 25 MG/KG

DISP: Natural Death

HISTO: 93-65026

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
Lymph Node	Mediastinal	Hemorrhage	Moderate
	Iliac	Hyperplasia	Moderate
	Inguinal	Hyperplasia	Mild
[Hemorrhage TGLS = 9-3-1]			
[Hyperplasia TGLS = 1-21]			
[Hyperplasia TGLS = 8-25]			
* Lymph Node, Mandibular		Hyperplasia	Mild
[Hyperplasia TGLS = 4-8]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 5-24]			
* Nose		Inflammation	Suppurative, Mild
Note: Nasal exudate contains fungus.			
* Preputial Gland		Adenoma	
[Adenoma TGLS = 3-23]			
* Prostate	Epithelium	Hyperplasia	Focal, Minimal
		Inflammation	Chronic, Minimal
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 2-22]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 111

TRT#: 5
DOSE: 25 MG/KG

SEX: Male
DISP: Natural Death

DAY ON TEST: 666
HISTO: 93-65026

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Preputial Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 112

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65199

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 4-21]			
Eye	Sclera	Metaplasia	Osseous, Focal, Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
		Mixed Cell Focus	Marked
[Basophilic Focus TGLS = 6-24]			
[Mixed Cell Focus TGLS = 5-22]			
* Lymph Node, Mandibular		Hemorrhage	Mild
[Hemorrhage TGLS = 2-8]			
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Inflammation	Chronic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 113

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65200

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 114

TRT#: 5

SEX: Male

DAY ON TEST: 498

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-61440

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Brain [Atrophy TGLS = 4-1-1]		Atrophy	Focal, Marked
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Mammary Gland [Ectasia TGLS = 1-8, 2-21] [Inflammation TGLS = 2-21]		Ectasia Inflammation	Mild Chronic, Focal, Mild
* Pituitary Gland [Adenoma TGLS = 5-1]	Pars Distalis	Adenoma	
* Preputial Gland [Adenoma TGLS = 3-8-1]		Adenoma	
* Prostate		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 115

TRT#: 5

SEX: Male

DAY ON TEST: 622

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-63671

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 116

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65201

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Moderate
	Mediastinal	Pigmentation	Mild
[Hyperplasia TGLS = 4-3-1]			
[Pigmentation TGLS = 4-3-1]			
* Pituitary Gland	Pars Distalis	Degeneration	Focal, Minimal
* Preputial Gland		Degeneration	Cystic, Moderate
		Inflammation	Chronic, Mild
[Degeneration TGLS = 2-8-1]			
[Inflammation TGLS = 2-8-1]			
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 117

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65202

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Parathyroid Gland | * Pituitary Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--------------------------|---------------------------|------------------|------------------|
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Minimal |
| | Bile Duct | Hyperplasia | Minimal |
| Mesentery | Fat | Necrosis | Mild |
| [Necrosis TGLS = 3-22] | | | |
| * Pancreas | Acinus | Adenoma | |
| [Adenoma TGLS = 2-21] | | | |
| * Preputial Gland | | Degeneration | Cystic, Moderate |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| [Adenoma TGLS = 1-7] | | | |
| * Thyroid Gland | C Cell | Adenoma | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 118

TRT#: 5

SEX: Male

DAY ON TEST: 498

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-61441

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | Coagulating Gland | * Epididymis |
| * Esophagus | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|-------------------|---|----------------------------|-------------------|
| * Kidney | | Nephropathy | Mild |
| | Renal Tubule | Pigmentation | Moderate |
| * Liver | | Hepatodiaphragmatic Nodule | Mild |
| | [Hepatodiaphragmatic Nodule TGLS = 6-22] | | |
| * Lung | Alveolar Epith | Hyperplasia | Minimal |
| Lymph Node | Mediastinal | Hemorrhage | Moderate |
| | [Hemorrhage TGLS = 8-3-1] | | |
| Peritoneum | | Mesothelioma Malignant | |
| | [Mesothelioma Malignant TGLS = 4-7-1,5-21,7-23] | | |
| * Pituitary Gland | Pars Distalis | Cyst | Mild |
| * Preputial Gland | | Degeneration | Cystic, Moderate |
| | [Degeneration TGLS = 1-8] | | |
| * Prostate | | Inflammation | Chronic, Moderate |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| | [Adenoma TGLS = 3-7] | | |

PRIMARY CAUSE OF DEATH

- Peritoneum Mesothelioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 119

TRT#: 5

SEX: Male

DAY ON TEST: 616

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-62539

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Brain		Hemorrhage	Focal, Mild
		Leukemia Mononuclear	
[Hemorrhage TGLS = 7-1, 7-1-1]			
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Lung	Mediastinum	Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-23]			
[Leukemia Mononuclear TGLS = 5-21]			
[Leukemia Mononuclear TGLS = 9-3-1]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-8]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-5]			
Mesentery		Leukemia Mononuclear	
* Prostate		Inflammation	Chronic, Mild
* Salivary Glands		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 119

TRT#: 5

SEX: Male

DAY ON TEST: 616

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-62539

ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle

Leukemia Mononuclear

* Skin

Subcut Tiss

Leukemia Mononuclear

Subcut Tiss

Necrosis

Focal, Moderate

Note: Subcutaneous fat is site of necrosis in TGL 6.

[Leukemia Mononuclear TGLS = 6-22]

[Necrosis TGLS = 6-22]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 1-6]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 4-7]

* Thymus

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 10-3]

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 120

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65203

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-7]		
* Thyroid Gland	Follicle	Cyst	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 121

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65204

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 122

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65205

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 123

TRT#: 5

SEX: Male

DAY ON TEST: 639

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-63672

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Brain		Atrophy	Focal, Marked
[Atrophy TGLS = 5-1-1]			
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	Minimal
		Vacuolization Cytoplasmic	Moderate
[Vacuolization Cytoplasmic TGLS = 3-6, 3-21]			
* Mammary Gland		Ectasia	Moderate
[Ectasia TGLS = 1-8]			
* Pancreas	Acinus	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 7-22]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1-1]			
* Prostate		Inflammation	Chronic, Moderate
* Stomach, Forestomach		Edema	Moderate
* Thymus		Thymoma Benign	

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 124

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65206

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
* Nose		Inflammation	Suppurative, Mild
Note: Nasal exudate contains fungus.			
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Fibrosis	Focal, Mild
[Fibrosis TGLS = 2-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 125

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65207

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
Eye	Sclera	Metaplasia	Osseous, Focal, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
[Hyperplasia TGLS = 4-6]			
* Pancreas	Acinus	Adenoma	
	Acinus	Atrophy	Focal, Mild
Peritoneum		Mesothelioma Malignant	
* Prostate		Inflammation	Chronic, Minimal
* Spleen		Fibroma	
[Fibroma TGLS = 3-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma TGLS = 5-3]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 126

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65208

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney		Cyst	Mild
		Nephropathy	Mild
[Cyst TGLS = 6-5-2]			
* Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
[Basophilic Focus TGLS = 5-24]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-22]			
* Pancreas	Acinus	Adenoma	
[Adenoma TGLS = 4-23]			
* Prostate	Epithelium	Hyperplasia	Focal, Minimal
* Skin	Epidermis	Hyperplasia	Focal, Moderate
[Hyperplasia TGLS = 1-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 127

TRT#: 5

SEX: Male

DAY ON TEST: 680

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 93-65027

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
Peripheral Nerve	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Mild
* Kidney		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
Lymph Node	Mediastinal	Pigmentation	Mild
[Pigmentation TGLS = 6-3-1]			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Inflammation	Chronic, Moderate
[Inflammation TGLS = 3-7-1]			
* Skin	Subcut Tiss	Schwannoma Malignant	
[Schwannoma Malignant TGLS = 1-21]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6, 5-22]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Schwannoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 128

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65209

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Hepatodiaphragmatic Nodule	Mild
		Mixed Cell Focus	Mild
	[Hepatodiaphragmatic Nodule TGLS = 4-21]		
	[Mixed Cell Focus TGLS = 5-22]		
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Skin	Subcut Tiss	Hemorrhage	Focal, Mild
	[Hemorrhage TGLS = 2-24]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 3-7]		
* Thymus		Thymoma Malignant	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 129

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65210

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

Eye	Sclera	Metaplasia	Osseous, Focal, Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
[Basophilic Focus TGLS = 5-6]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 4-21]			
* Nose		Inflammation	Suppurative, Minimal
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
[Hyperplasia TGLS = 7-1-1]			
* Prostate	Epithelium	Hyperplasia	Focal, Mild
		Inflammation	Chronic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 130

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65211

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Thymus

OBSERVATIONS

Eye	Sclera	Metaplasia	Osseous, Focal, Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
* Lymph Node, Mandibular		Hemorrhage	Mild
[Hemorrhage TGLS = 2-8]			
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
* Preputial Gland		Adenoma	
[Adenoma TGLS = 3-8-1]			
* Prostate	Epithelium	Hyperplasia	Focal, Minimal
		Inflammation	Chronic, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 131

TRT#: 5

SEX: Male

DAY ON TEST: 526

DOSE: 25 MG/KG

DISP: Dosing Accident

HISTO: 92-61690

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Esophagus		Inflammation Perforation	Focal, Moderate Moderate
[Inflammation TGLS = 7-3-1]			
[Perforation TGLS = 7-3-1]			
* Heart	Pericardium	Inflammation	Suppurative, Moderate
[Inflammation TGLS = 6-21]			
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung	Interstitium	Edema	Moderate
	Serosa	Foreign Body	Mild
	Mediastinum	Inflammation	Acute, Moderate
	Serosa	Inflammation	Mild
* Lymph Node, Mandibular		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
* Prostate		Inflammation	Chronic, Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			
* Thymus		Angiectasis	Moderate
[Angiectasis TGLS = 5-3]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 132

TRT#: 5

SEX: Male

DAY ON TEST: 520

DOSE: 25 MG/KG

DISP: Natural Death

HISTO: 92-61691

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	Tissue NOS
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Brain [Atrophy TGLS = 4-1-1]		Atrophy	Focal, Moderate
* Kidney		Nephropathy	Mild
* Lymph Node, Mandibular [Hemorrhage TGLS = 2-8]		Hemorrhage	Moderate
* Mammary Gland [Ectasia TGLS = 1-8]		Ectasia	Moderate
Mesentery [Necrosis TGLS = 3-21]	Fat	Necrosis	Moderate
* Pituitary Gland [Adenoma TGLS = 5-1]	Pars Distalis	Adenoma	
* Prostate		Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 133

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65212

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Brain [Atrophy TGLS = 7-1-1]		Atrophy	Focal, Moderate
* Eye	Sclera	Metaplasia	Osseous, Focal, Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Minimal
		Congestion	Minimal
	Bile Duct	Hyperplasia	Mild
[Congestion TGLS = 6-6]			
* Lung		Hemorrhage	Minimal
* Mammary Gland [Ectasia TGLS = 2-8]		Ectasia	Mild
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland [Adenoma TGLS = 8-1-1]	Pars Distalis	Adenoma	
* Preputial Gland [Inflammation TGLS = 3-8-1]		Inflammation	Chronic, Moderate
* Prostate [Inflammation TGLS = 5-7-2]		Inflammation	Chronic, Mild
* Testes [Adenoma TGLS = 4-7]	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 133

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65212

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 134

TRT#: 5

SEX: Male

DAY ON TEST: 590

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-62393

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	Peripheral Nerve	* Salivary Glands	* Seminal Vesicle
* Skin	Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Trachea
Urethra	* Urinary Bladder		

OBSERVATIONS

* Brain		Atrophy	Focal, Marked
[Atrophy TGLS = 3-1-1]			
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
* Mammary Gland		Ectasia	Mild
[Ectasia TGLS = 2-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Preputial Gland		Inflammation	Chronic, Minimal
[Inflammation TGLS = 1-8]			
* Prostate		Inflammation	Chronic, Moderate
* Thyroid Gland	C Cell	Adenoma	
Urethra			

Note: Bulbourethral glands are normal; distended slightly with secretion.

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 135

TRT#: 5

SEX: Male

DAY ON TEST: 706

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 93-65028

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	Peripheral Nerve
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

Eye	Sclera	Metaplasia	Osseous, Focal, Mild
* Kidney		Nephropathy	Mild
Lymph Node	Mediastinal	Hemorrhage	Moderate
[Hemorrhage TGLS = 3-3-1]			
* Mammary Gland		Ectasia	Moderate
Skeletal Muscle		Sarcoma	
[Sarcoma TGLS = 4-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Skeletal Muscle Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 136

TRT#: 5

SEX: Male

DAY ON TEST: 617

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-62540

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Lymph Node, Mandibular		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-21]			
* Prostate		Inflammation	Chronic, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 4-22]			

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 137

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65213

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Minimal
Lymph Node	Mediastinal	Hemorrhage	Mild
[Hemorrhage TGLS = 9-3-1]			
* Lymph Node, Mandibular		Ectasia	Moderate
[Ectasia TGLS = 4-8]			
* Lymph Node, Mesenteric		Hyperplasia	Moderate
[Hyperplasia TGLS = 7-5]			
Mesentery	Artery	Inflammation	Chronic, Mild
	Fat	Necrosis	Mild
[Necrosis TGLS = 6-22]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Adenoma	
[Adenoma TGLS = 2-8-1]			
* Prostate		Inflammation	Chronic, Mild
* Skin		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 1-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5-7]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 138

TRT#: 5

SEX: Male

DAY ON TEST: 558

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-62200

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Preputial Gland		Degeneration	Cystic, Moderate
		Inflammation	Chronic, Moderate
[Degeneration TGLS = 2-8-1]			
[Inflammation TGLS = 2-8-1]			
* Prostate		Inflammation	Chronic, Mild
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 139

TRT#: 5

SEX: Male

DAY ON TEST: 647

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 93-65029

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Parathyroid Gland	Peripheral Nerve	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hemorrhage	Mild
[Hemorrhage TGLS = 5-10]		Leukemia Mononuclear	
* Brain		Hemorrhage	Focal, Marked
[Hemorrhage TGLS = 8-1]		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas	Acinus	Hyperplasia	Focal, Marked
[Hyperplasia TGLS = 3-7]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 140

TRT#: 5

SEX: Male

DAY ON TEST: 558

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-62201

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hyperplasia	Histiocytic, Focal, Minimal
		Infiltration Cellular	Mixed Cell, Minimal
		Hyperplasia	Marked
* Lymph Node, Mandibular [Hyperplasia TGLS = 1-8]			
Mesentery	Artery	Inflammation	Chronic, Mild
	Fat	Necrosis	Moderate
[Necrosis TGLS = 4-21]			
* Preputial Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 2-8-1]			
* Prostate		Inflammation	Chronic, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 11-22]			

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 141

TRT#: 5

SEX: Male

DAY ON TEST: 233

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 91-59859

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Bone Marrow
* Heart
* Intestine Small, Duodenum
* Kidney
* Lymph Node, Mesenteric
* Pituitary Gland
* Skin
* Testes
* Urinary Bladder

* Adrenal Medulla
* Brain
* Intestine Large, Cecum
* Intestine Small, Ileum
* Liver
* Mammary Gland
* Preputial Gland
* Spleen
* Thymus

* Blood Vessel
* Epididymis
* Intestine Large, Colon
* Intestine Small, Jejunum
* Lung
* Pancreas
* Salivary Glands
* Stomach, Forestomach
* Thyroid Gland

* Bone
* Esophagus
* Intestine Large, Rectum
* Islets, Pancreatic
* Lymph Node, Mandibular
* Parathyroid Gland
* Seminal Vesicle
* Stomach, Glandular
* Trachea

OBSERVATIONS

* Nose	Inflammation	Suppurative, Mild
* Prostate	Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 142

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65214

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Brain		Atrophy	Focal, Mild
* Heart		Inflammation	Chronic, Focal, Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 143

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65215

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Brain		Atrophy	Focal, Moderate
[Atrophy TGLS = 4-1-1]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hepatodiaphragmatic Nodule	Mild
		Hyperplasia	Minimal
		Mixed Cell Focus	Minimal
[Hepatodiaphragmatic Nodule TGLS = 6-22]			
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 7-23]			
* Mammary Gland		Ectasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Prostate		Inflammation	Chronic, Moderate
[Inflammation TGLS = 3-7-2]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-21]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 144

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65216

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Angiectasis	Moderate
Eye	Sclera	Metaplasia	Osseous, Focal, Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
* Lung		Foreign Body	Minimal
		Inflammation	Chronic, Minimal
Note: Inflammatory focus is reaction to foreign body; multinucleated giant cells mimic appearance of metastatic tumor focus.			
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Moderate
* Pancreas	Acinus	Atrophy	Focal, Minimal
Peritoneum		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 4-22]		
* Preputial Gland		Degeneration	Cystic, Moderate
	[Degeneration TGLS = 2-21]		
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLS = 5-24]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 3-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 145

TRT#: 5

SEX: Male

DAY ON TEST: 560

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-62202

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Brain [Atrophy TGLS = 3-1-1]		Atrophy	Focal, Moderate
* Kidney	Renal Tubule	Hyperplasia Nephropathy	Focal, Minimal Mild
* Liver	Bile Duct	Hyperplasia	Mild
* Mammary Gland [Cyst TGLS = 1-8]		Cyst	Moderate
Mesentery [Necrosis TGLS = 2-21]	Fat	Necrosis	Minimal
* Pituitary Gland [Adenoma TGLS = 4-1-1]	Pars Distalis	Adenoma	
* Prostate		Inflammation	Chronic, Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 146

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65217

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
[Basophilic Focus TGLS = 2-6]			
* Lymph Node, Mandibular		Hemorrhage	Mild
[Hemorrhage TGLS = 1-8]			
* Mammary Gland		Ectasia	Mild
* Prostate	Epithelium	Hyperplasia	Focal, Minimal
		Inflammation	Chronic, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 147

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65218

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 7-22]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
Lymph Node	Pancreatic	Ectasia	Mild
	Pancreatic	Pigmentation	Mild
[Ectasia TGLS = 5-25]			
[Pigmentation TGLS = 5-25]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 8-23]			
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 2-8-1]			
* Spleen		Fibrosis	Focal, Mild
[Fibrosis TGLS = 3-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 6-7]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 148

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65219

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
Eye			
Note: Only lid of eye available for examination.			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Mild
		Clear Cell Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
Lymph Node	Mediastinal	Hemorrhage	Moderate
[Hemorrhage TGLS = 3-3-1]			
* Prostate		Inflammation	Chronic, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma TGLS = 2-3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 149

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65220

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Minimal
* Pituitary Gland		Angiectasis	Moderate
* Prostate		Inflammation	Chronic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 150

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65221

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	Mild
		Congestion	Mild
	Bile Duct	Hyperplasia	Minimal
[Basophilic Focus TGLS = 2-6]			
[Congestion TGLS = 2-6]			
* Lymph Node, Mandibular		Ectasia	Mild
* Nose		Inflammation	Suppurative, Moderate
Note: Nasal exudate contains fungus.			
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Inflammation	Chronic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	Follicle	Cyst	Mild
	Follicular Cel	Hyperplasia	Minimal
	Follicle	Pigmentation	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 151

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64827

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
* Lung		Inflammation	Chronic, Minimal
Lymph Node	Inguinal	Hyperplasia	Lymphoid, Mild
Mesentery	Artery	Inflammation	Chronic, Minimal
	Fat	Necrosis	Moderate
[Necrosis TGLS = 4-21]			
* Nose		Inflammation	Suppurative, Mild
Note: Nasal exudate contains fungi.			
* Preputial Gland		Hyperplasia	Mild
		Inflammation	Chronic, Mild
[Hyperplasia TGLS = 3-8]			
[Inflammation TGLS = 3-8]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 152

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64828

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Brain [Atrophy TGLS = 4-1]		Atrophy	Focal, Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
Mesentery	Artery	Inflammation	Chronic, Mild
* Nose Note: Nasal exudate contains fungi.		Inflammation	Suppurative, Mild
* Pancreas [Adenoma TGLS = 5-21]	Acinus	Adenoma	
* Pituitary Gland [Adenoma TGLS = 3-1]	Pars Distalis	Adenoma	
* Prostate		Inflammation	Chronic, Minimal
* Testes [Adenoma TGLS = 2-7]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 153

TRT#: 7

SEX: Male

DAY ON TEST: 498

DOSE: 75 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-61430

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 1-8-1]			
* Prostate		Inflammation	Chronic, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

- Preputial Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 154

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64829

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney		Nephropathy	Moderate
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
Lymph Node			
Note: Mediastinal lymph node is missing.			
* Pancreas	Acinus	Atrophy	Focal, Minimal
Peritoneum		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 3-22]			
* Preputial Gland		Adenoma	
[Adenoma TGLS = 2-8-1]			
* Prostate		Inflammation	Chronic, Minimal
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-21]			
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 155

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64830

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea

MISSING

* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 5-21]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Minimal
[Hepatodiaphragmatic Nodule TGLS = 6-23]			
* Lymph Node, Mandibular		Hemorrhage	Mild
[Hemorrhage TGLS = 3-8]			
Mesentery	Artery	Inflammation	Chronic, Moderate
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 156

TRT#: 7

SEX: Male

DAY ON TEST: 671

DOSE: 75 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-64831

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Kidney		Infarct	Moderate
		Nephropathy	Mild
[Infarct TGLS = 5-5]			
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	Mediastinal	Pigmentation	Mild
[Leukemia Mononuclear TGLS = 6-22]			
[Leukemia Mononuclear TGLS = 4-21]			
[Pigmentation TGLS = 8-3-1]			
Mesentery	Artery	Inflammation	Chronic, Mild
* Preputial Gland		Degeneration	Cystic, Mild
* Prostate	Epithelium	Hyperplasia	Focal, Minimal
		Inflammation	Chronic, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6, 3-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 156

TRT#: 7

SEX: Male

DAY ON TEST: 671

DOSE: 75 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-64831

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 157 **TRT#:** 7 **SEX:** Male **DAY ON TEST:** 730
DOSE: 75 MG/KG **DISP:** Terminal Sacrifice **HISTO:** 92-64832

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Kidney		Nephropathy	Mild
Lymph Node	Mediastinal	Hemorrhage	Mild
[Hemorrhage TGLS = 6-3]			
* Lymph Node, Mandibular		Ectasia	Mild
[Ectasia TGLS = 1-8]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-21]			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Preputial Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 2-8-1]			
* Skin	Subcut Tiss	Lipoma	
[Lipoma TGLS = 5-22]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thymus		Cyst	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 158

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64833

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Preputial Gland | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|------------------------|---------------------------|--------------|------------------|
| * Kidney | | Nephropathy | Mild |
| * Liver | Bile Duct | Hyperplasia | Mild |
| Mesentery | Artery | Inflammation | Chronic, Minimal |
| * Prostate | Epithelium | Hyperplasia | Focal, Minimal |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| [Adenoma TGLS = 1-7] | | | |
| * Thyroid Gland | Follicular Cel | Adenoma | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 159

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64834

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Epididymis		Inflammation	Chronic, Mild
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 4-5]			
* Liver		Clear Cell Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
Lymph Node	Mediastinal	Hemorrhage	Mild
	Deep Cervical	Hyperplasia	Moderate
[Hemorrhage TGLS = 5-3]			
[Hyperplasia TGLS = 6-21]			
Mesentery	Artery	Inflammation	Chronic, Moderate
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Prostate		Inflammation	Chronic, Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Chronic, Mild
[Hyperplasia TGLS = 7-22]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7, 2-7-3, 3-7-3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 160

TRT#: 7

SEX: Male

DAY ON TEST: 241

DOSE: 75 MG/KG

DISP: Natural Death

HISTO: 91-59860

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Bone Marrow
* Heart
* Intestine Small, Duodenum
* Kidney
* Mammary Gland
* Pituitary Gland
* Skin
* Testes
* Urinary Bladder

* Adrenal Medulla
* Brain
* Intestine Large, Cecum
* Intestine Small, Ileum
* Liver
* Nose
* Preputial Gland
* Spleen
* Thymus

* Blood Vessel
* Epididymis
* Intestine Large, Colon
* Intestine Small, Jejunum
* Lymph Node, Mandibular
* Pancreas
* Salivary Glands
* Stomach, Forestomach
* Thyroid Gland

* Bone
* Esophagus
* Intestine Large, Rectum
* Islets, Pancreatic
* Lymph Node, Mesenteric
* Parathyroid Gland
* Seminal Vesicle
* Stomach, Glandular
* Trachea

OBSERVATIONS

* Lung

Foreign Body
Inflammation

Moderate
Chronic, Mild

[Inflammation TGLS = 2-21]

* Prostate

Inflammation

Chronic, Mild

PRIMARY CAUSE OF DEATH

- Lung Foreign Body

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 161

TRT#: 7

SEX: Male

DAY ON TEST: 211

DOSE: 75 MG/KG

DISP: Natural Death

HISTO: 91-59861

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Bone Marrow
- * Heart
- * Lymph Node, Mesenteric
- * Parathyroid Gland
- * Seminal Vesicle
- * Stomach, Glandular
- * Trachea

- * Adrenal Medulla
- * Brain
- * Islets, Pancreatic
- * Mammary Gland
- * Pituitary Gland
- * Skin
- * Testes
- * Urinary Bladder

- * Blood Vessel
- * Epididymis
- * Liver
- * Nose
- * Preputial Gland
- * Spleen
- * Thymus

- * Bone
- * Esophagus
- * Lymph Node, Mandibular
- * Pancreas
- * Salivary Glands
- * Stomach, Forestomach
- * Thyroid Gland

AUTO PRECLUDES DIAG.

- * Intestine Large, Cecum
- * Intestine Small, Ileum

- * Intestine Large, Colon
- * Intestine Small, Jejunum

- * Intestine Large, Rectum
- * Kidney

- * Intestine Small, Duodenum

OBSERVATIONS

- * Lung
[Congestion TGLS = 1-2]
- * Prostate

Congestion

Mild

Inflammation

Chronic, Minimal

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 162

TRT#: 7

SEX: Male

DAY ON TEST: 566

DOSE: 75 MG/KG

DISP: Natural Death

HISTO: 92-62195

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 163

TRT#: 7

SEX: Male

DAY ON TEST: 734

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64835

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	Mild
[Mixed Cell Focus TGLS = 5-6]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-22]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	Follicle	Cyst	Mild
[Cyst TGLS = 6-3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 164

TRT#: 7

SEX: Male

DAY ON TEST: 734

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64836

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
Mesentery	Artery	Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Preputial Gland		Adenoma	
[Adenoma TGLS = 1-8-1]			
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma TGLS = 4-3-1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 165

TRT#: 7

SEX: Male

DAY ON TEST: 595

DOSE: 75 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-62391

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	Peripheral Nerve
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Minimal
[Hepatocellular Adenoma TGLS = 5-24]			
Mesentery	Lymphatic	Angiectasis	Mild
[Angiectasis TGLS = 4-23]			
* Skin	Subcut Tiss	Fibroma	Multiple
[Fibroma TGLS = 1-21, 2-22]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 166

TRT#: 7

SEX: Male

DAY ON TEST: 734

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64837

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Brain		Atrophy	Focal, Minimal
[Atrophy TGLS = 3-1-1]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
		Hepatodiaphragmatic Nodule	Mild
[Hepatodiaphragmatic Nodule TGLS = 5-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
* Prostate		Inflammation	Chronic, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 167

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64838

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Minimal
[Basophilic Focus TGLS = 3-6]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]			
* Nose		Inflammation	Suppurative, Minimal
* Pancreas	Acinus	Adenoma	
[Adenoma TGLS = 4-22]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	Follicle	Cyst	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 168

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64839

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Kidney [Nephropathy TGLS = 6-5]		Nephropathy	Marked
* Liver		Basophilic Focus Leukemia Mononuclear	Minimal
* Mammary Gland [Ectasia TGLS = 2-8] [Hyperplasia TGLS = 2-8]		Ectasia Hyperplasia	Mild Mild
Mesentery [Necrosis TGLS = 4-21]	Artery Fat	Inflammation Necrosis	Chronic, Minimal Moderate
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland [Adenoma TGLS = 7-1]	Pars Distalis	Adenoma	
* Spleen [Leukemia Mononuclear TGLS = 5-6]		Leukemia Mononuclear	
* Stomach, Forestomach [Hyperplasia TGLS = 8-4, 8-4-1]	Epithelium	Hyperplasia Inflammation	Moderate Chronic, Mild
* Testes [Adenoma TGLS = 3-7]	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 168

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64839

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 169

TRT#: 7

SEX: Male

DAY ON TEST: 306

DOSE: 75 MG/KG

DISP: Natural Death

HISTO: 91-59862

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Bone Marrow
- * Heart
- * Intestine Small, Duodenum
- * Liver
- * Mammary Gland
- * Pituitary Gland
- * Seminal Vesicle
- * Testes
- * Urinary Bladder

- * Adrenal Medulla
- * Brain
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lung
- * Nose
- * Preputial Gland
- * Skin
- * Thymus

- * Blood Vessel
- * Epididymis
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Lymph Node, Mandibular
- * Pancreas
- * Prostate
- * Stomach, Forestomach
- * Thyroid Gland

- * Bone
- * Esophagus
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Lymph Node, Mesenteric
- * Parathyroid Gland
- * Salivary Glands
- * Stomach, Glandular
- * Trachea

OBSERVATIONS

- * Kidney Nephropathy Minimal
- * Spleen Hemangiosarcoma

[Hemangiosarcoma TGLS = 2-21, 3-21]

PRIMARY CAUSE OF DEATH

- Spleen Hemangiosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 170

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64840

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 2-7-1]			
* Kidney		Nephropathy	Mild
* Liver		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Minimal
[Hepatodiaphragmatic Nodule TGLS = 6-24]			
Lymph Node	Mediastinal	Pigmentation	Moderate
[Pigmentation TGLS = 8-3-1]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-21]			
Peritoneum		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 4-22, 5-7-1, 5-23]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 10-1]			
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thymus		Angiectasis	Mild
		Cyst	Mild
[Angiectasis TGLS = 7-3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 171

TRT#: 7

SEX: Male

DAY ON TEST: 497

DOSE: 75 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-61431

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Brain [Atrophy TGLS = 4-1-1]		Atrophy	Focal, Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
* Lymph Node, Mandibular		Hyperplasia	Moderate
* Mammary Gland [Ectasia TGLS = 1-8]		Ectasia	Moderate
Mesentery [Necrosis TGLS = 3-21]	Fat	Necrosis	Moderate
* Pituitary Gland [Adenoma TGLS = 5-1]	Pars Distalis	Adenoma	
* Preputial Gland [Degeneration TGLS = 2-8-1]		Degeneration	Cystic, Mild
* Prostate		Inflammation	Chronic, Moderate
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 172

TRT#: 7

SEX: Male

DAY ON TEST: 572

DOSE: 75 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-62196

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Mineralization	Focal, Mild
		Necrosis	Moderate
Mesentery [Necrosis TGLS = 2-21]	Fat		
* Prostate		Inflammation	Chronic, Minimal
* Skin [Inflammation TGLS = 3-22, 3-22-1]	Subcut Tiss	Inflammation	Chronic, Focal, Marked
* Testes [Adenoma TGLS = 1-7]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 173

TRT#: 7

SEX: Male

DAY ON TEST: 576

DOSE: 75 MG/KG

DISP: Natural Death

HISTO: 92-62197

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Pituitary Gland

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Hemorrhage	Moderate
	Bile Duct	Hyperplasia	Marked
		Necrosis	Focal, Moderate
[Hemorrhage TGLS = 7-23]			
[Hyperplasia TGLS = 7-23]			
[Necrosis TGLS = 7-23]			
* Lung		Congestion	Minimal
[Congestion TGLS = 9-2]			
* Lymph Node, Mandibular		Congestion	Mild
[Congestion TGLS = 1-8]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 6-22]			
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 3-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5-7]			

PRIMARY CAUSE OF DEATH

- Preputial Gland Carcinoma

CONTRIBUTORY CAUSE OF DEATH

- Liver Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 173

TRT#: 7

SEX: Male

DAY ON TEST: 576

DOSE: 75 MG/KG

DISP: Natural Death

HISTO: 92-62197

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 174

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64841

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Blood Vessel | * Bone | * Bone Marrow | * Brain |
| * Epididymis | * Esophagus | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|--------------------------|-------------------------------------|----------------------|------------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Moderate |
| * Liver | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 4-6] | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Preputial Gland | | Hyperplasia | Mild |
| * Prostate | | Inflammation | Chronic, Minimal |
| * Spleen | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 3-6] | | |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| | [Adenoma TGLS = 2-7] | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 175

TRT#: 7

SEX: Male

DAY ON TEST: 387

DOSE: 75 MG/KG

DISP: Natural Death

HISTO: 92-61176

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mesenteric	* Pituitary Gland
--------------------------	-------------------

AUTO PRECLUDES DIAG.

* Spleen

INSUFFICIENT TISSUE

* Brain

OBSERVATIONS

* Kidney	Nephropathy	Minimal
* Lung	Congestion	Mild
* Prostate	Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 176

TRT#: 7

SEX: Male

DAY ON TEST: 441

DOSE: 75 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-61432

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

Ear [Inflammation TGLS = 1-21]	External Ear	Inflammation	Chronic, Focal, Mild
* Kidney Mesentery [Necrosis TGLS = 4-22]	Artery Fat	Nephropathy Inflammation Necrosis	Minimal Chronic, Minimal Moderate
* Preputial Gland [Degeneration TGLS = 2-8-1] [Hyperplasia TGLS = 2-8-1]		Degeneration Hyperplasia	Cystic, Moderate Mild
* Prostate * Testes [Adenoma TGLS = 3-7]	Bilateral, Interstit Cell	Inflammation Adenoma	Chronic, Mild

PRIMARY CAUSE OF DEATH

- Mesentery Fat Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 177

TRT#: 7

SEX: Male

DAY ON TEST: 457

DOSE: 75 MG/KG

DISP: Natural Death

HISTO: 92-61433

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Lung		Congestion	Minimal
		Foreign Body	Mild
[Congestion TGLS = 3-2]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

- Lung Foreign Body

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 178

TRT#: 7

SEX: Male

DAY ON TEST: 462

DOSE: 75 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-61434

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic, Minimal
[Inflammation TGLS = 2-8-1]			
* Prostate		Inflammation	Chronic, Mild
[Inflammation TGLS = 3-7-1]			
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 179

TRT#: 7

SEX: Male

DAY ON TEST: 706

DOSE: 75 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-64842

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 2-21]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
Mesentery	Artery	Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic, Minimal
* Skin	Subcut Tiss	Edema	Moderate
	Subcut Tiss	Inflammation	Chronic, Focal, Moderate
		Ulcer	Mild
[Edema TGLS = 3-22]			
[Inflammation TGLS = 3-22]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

- Adrenal Medulla Pheochromocytoma Benign

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 180

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64843

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Bone Marrow
- * Heart
- * Intestine Small, Duodenum
- * Lung
- * Nose
- * Salivary Glands
- * Stomach, Glandular
- * Urinary Bladder

- * Adrenal Medulla
- * Brain
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lymph Node, Mandibular
- * Pancreas
- * Seminal Vesicle
- * Thymus

- * Blood Vessel
- * Epididymis
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Lymph Node, Mesenteric
- * Parathyroid Gland
- * Spleen
- * Thyroid Gland

- * Bone
- * Esophagus
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Mammary Gland
- * Preputial Gland
- * Stomach, Forestomach
- * Trachea

OBSERVATIONS

- * Kidney
- * Liver
- * Pituitary Gland
- * Prostate
- * Skin
 - [Fibroma TGLS = 2-21]
- * Testes
 - [Adenoma TGLS = 1-7]

- Bile Duct
- Pars Distalis
- Subcut Tiss
- Bilateral, Interstit Cell

- Nephropathy
- Hyperplasia
- Cytoplasmic Alteration
- Inflammation
- Fibroma
- Adenoma

- Mild
- Minimal
- Focal, Mild
- Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 181

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64844

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hepatodiaphragmatic Nodule	Minimal
	[Hepatodiaphragmatic Nodule TGLS = 2-21]	Hyperplasia	Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
* Pancreas	Acinus	Adenoma	
	[Adenoma TGLS = 3-22]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 182

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64845

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Intestine Small, Jejunum		Polyp Adenomatous	
[Polyp Adenomatous TGLS = 3-22]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
* Lung		Hemorrhage	Mild
	Alveolar Epith	Hyperplasia	Mild
		Hyperplasia	Histiocytic, Minimal
[Hemorrhage TGLS = 4-2-1]			
[Hyperplasia TGLS = 4-2-1]			
Lymph Node	Mediastinal	Hemorrhage	Moderate
[Hemorrhage TGLS = 5-3-1]			
Mesentery	Artery	Inflammation	Chronic, Minimal
	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 183

TRT#: 7

SEX: Male

DAY ON TEST: 387

DOSE: 75 MG/KG

DISP: Natural Death

HISTO: 92-61177

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Lung	Serosa	Foreign Body	Mild
		Hemorrhage	Moderate
* Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

- Lung Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 184

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64846

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Brain		Atrophy	Focal, Moderate
[Atrophy TGLS = 7-1-1]			
* Kidney		Nephropathy	Moderate
Lymph Node	Mediastinal	Hemorrhage	Moderate
[Hemorrhage TGLS = 6-3-1]			
* Mammary Gland		Cyst	Moderate
		Ectasia	Moderate
[Cyst TGLS = 2-21]			
[Ectasia TGLS = 1-8]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 5-23]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-1-1]			
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 3-22]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 185

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64847

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

INSUFFICIENT TISSUE

* Intestine Large, Colon

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 4-2-1]			
Lymph Node	Mediastinal	Hemorrhage	Moderate
[Hemorrhage TGLS = 3-3-1]			
* Preputial Gland	Bilateral	Carcinoma	
[Carcinoma TGLS = 1-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 186

TRT#: 7

SEX: Male

DAY ON TEST: 642

DOSE: 75 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-63666

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Pancreas	Acinus	Adenoma	
[Adenoma TGLS = 5-23]			
* Preputial Gland		Inflammation	Chronic, Minimal
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7, 3-7]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 187

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64848

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Cytoplasmic Alteration	Focal, Minimal
* Preputial Gland		Adenoma	
Note: Lesion is a benign tumor of preputial gland, with morphology of a squamous cell papilloma; diagnosed as "adenoma", the most applicable available term. [Adenoma TGLS = 3-23]			
* Skin	Epidermis	Hyperkeratosis Hyperplasia Inflammation	Marked Focal, Mild Chronic, Focal, Minimal
[Hyperkeratosis TGLS = 2-22] [Hyperplasia TGLS = 1-21] [Inflammation TGLS = 1-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 188

TRT#: 7

SEX: Male

DAY ON TEST: 552

DOSE: 75 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-62198

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone Marrow |
| * Brain | * Epididymis | * Esophagus | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Pancreas |
| * Pituitary Gland | * Preputial Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|-------------------------------|---------------------------|------------------------|-------------------|
| * Bone | | Osteosarcoma | |
| [Osteosarcoma TGLS = 13-21] | | | |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Congestion | Mild |
| [Congestion TGLS = 6-6] | | | |
| * Lymph Node, Mandibular | | Osteosarcoma | Metastatic (Bone) |
| [Osteosarcoma TGLS = 1-8] | | | |
| Peritoneum | | Mesothelioma Malignant | |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| [Adenoma TGLS = 2-7, 3-7] | | | |

PRIMARY CAUSE OF DEATH

- Bone Osteosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 189

TRT#: 7

SEX: Male

DAY ON TEST: 706

DOSE: 75 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-64849

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Nose	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Minimal
* Kidney		Cyst Nephropathy	Moderate Mild
[Cyst TGLS = 6-23]			
* Liver	Bile Duct	Hyperplasia Leukemia Mononuclear Leukemia Mononuclear	Mild
Lymph Node	Mediastinal		
[Leukemia Mononuclear TGLS = 8-5-1]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-5]			
* Mammary Gland		Ectasia	Moderate
[Ectasia TGLS = 2-8]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 5-22]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Marked
[Hyperplasia TGLS = 9-1]			
* Preputial Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 1-21]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 189

TRT#: 7

SEX: Male

DAY ON TEST: 706

DOSE: 75 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-64849

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4-6]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 3-7]

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 190

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64850

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
* Lung		Hemorrhage	Moderate
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 191

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64851

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|------------------------------|---------------------------|------------------|---------------|
| * Heart | | Fibrosis | Focal, Mild |
| | | Mineralization | Minimal |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Minimal |
| | Bile Duct | Hyperplasia | Mild |
| Mesentery | Artery | Inflammation | Chronic, Mild |
| [Inflammation TGLS = 3-21] | | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| [Adenoma TGLS = 2-7] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 192

TRT#: 7

SEX: Male

DAY ON TEST: 457

DOSE: 75 MG/KG

DISP: Natural Death

HISTO: 92-61435

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia Necrosis	Minimal Focal, Mild
* Lung		Congestion	Mild
[Congestion TGLS = 3-2]			
* Lymph Node, Mandibular		Hemorrhage	Mild
[Hemorrhage TGLS = 1-8]			
Mesentery	Artery	Inflammation	Chronic, Moderate
* Prostate		Inflammation	Chronic, Mild
* Stomach, Forestomach	Epithelium	Hyperplasia Inflammation	Mild Chronic, Mild
[Hyperplasia TGLS = 2-4]			
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 193

TRT#: 7

SEX: Male

DAY ON TEST: 457

DOSE: 75 MG/KG

DISP: Natural Death

HISTO: 92-61436

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex [Hemorrhage TGLS = 3-10]		Hemorrhage	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
* Lung [Congestion TGLS = 4-2]		Congestion	Mild
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thymus		Angiectasis	Moderate

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 194

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64852

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
[Basophilic Focus TGLS = 3-22]			
[Hyperplasia TGLS = 3-22]			
* Mammary Gland		Ectasia	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 195

TRT#: 7

SEX: Male

DAY ON TEST: 457

DOSE: 75 MG/KG

DISP: Natural Death

HISTO: 92-61437

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung		Congestion	Mild
[Congestion TGLS = 4-2]			
* Prostate		Inflammation	Chronic, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thymus		Angiectasis	Moderate
[Angiectasis TGLS = 3-3]			

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 196

TRT#: 7

SEX: Male

DAY ON TEST: 649

DOSE: 75 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-64853

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	Peripheral Nerve	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
Mesentery	Artery	Inflammation	Chronic, Marked
[Inflammation TGLS = 4-23]			
* Pancreas	Acinus	Atrophy	Focal, Mild
* Skin	Subcut Tiss	Edema	Moderate
	Subcut Tiss	Hemorrhage	Focal, Moderate
	Subcut Tiss	Inflammation	Chronic, Focal, Moderate
[Edema TGLS = 1-21, 2-22]			
[Hemorrhage TGLS = 1-21, 2-22]			
[Inflammation TGLS = 1-21, 2-22]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 197

TRT#: 7

SEX: Male

DAY ON TEST: 643

DOSE: 75 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-63667

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	Peripheral Nerve	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Infiltration Cellular	Mixed Cell, Focal, Mild
* Kidney		Nephropathy	Mild
* Liver		Infiltration Cellular	Mixed Cell, Mild
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 4-22]			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland		Angiectasis	Moderate
	Pars Distalis	Cyst	Mild
* Prostate		Inflammation	Chronic, Mild
* Skin	Subcut Tiss	Inflammation	Chronic, Focal, Marked
Note: Inflammation of subcutaneous tissue involves hind foot.			
[Inflammation TGLS = 5-23]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7, 2-7]			

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 198

TRT#: 7

SEX: Male

DAY ON TEST: 456

DOSE: 75 MG/KG

DISP: Natural Death

HISTO: 92-61438

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
Tongue	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	Mild
	[Mixed Cell Focus TGLS = 1-21]		
* Mammary Gland		Ectasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
Tongue			

Note: "Mass" reported in tongue by trimmer probably is the normal dorsal prominence. Dilatation of lingual mucous glands is present, but within normal limits.

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 199

TRT#: 7

SEX: Male

DAY ON TEST: 733

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64854

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	Mild
		Mixed Cell Focus	Minimal
		Hyperplasia	Mild
* Mammary Gland			
[Hyperplasia TGLS = 2-8]			
Mesentery	Artery	Inflammation	Chronic, Mild
[Inflammation TGLS = 4-22]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin	Epidermis	Hyperplasia	Focal, Moderate
		Inflammation	Chronic, Focal, Moderate
[Hyperplasia TGLS = 1-21]			
[Inflammation TGLS = 1-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 200

TRT#: 7

SEX: Male

DAY ON TEST: 457

DOSE: 75 MG/KG

DISP: Natural Death

HISTO: 92-61439

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Lung		Congestion	Mild
[Congestion TGLS = 2-2]			
* Prostate		Inflammation	Chronic, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 201

TRT#: 2

SEX: Female

DAY ON TEST: 441

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 92-61444

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Pituitary Gland

OBSERVATIONS

* Brain		Hemorrhage	Focal, Mild
[Hemorrhage TGLS = 12-1-1]			
* Kidney		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-6]			
* Lung	Mediastinum	Leukemia Mononuclear	
		Leukemia Mononuclear	
Lymph Node	Iliac	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-3-1]			
[Leukemia Mononuclear TGLS = 7-22]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-21]			
* Ovary		Cyst	Moderate
		Leukemia Mononuclear	
[Cyst TGLS = 2-7]			
* Pancreas		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 201	TRT#: 2	SEX: Female	DAY ON TEST: 441
	DOSE: VEHICLE CONTROL	DISP: Moribund Sacrifice	HISTO: 92-61444

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 4-6]	Leukemia Mononuclear
* Thymus	Leukemia Mononuclear
* Uterus	Leukemia Mononuclear

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 202

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64855

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
		Hyperplasia	Lymphoid, Focal, Mild
		Hyperplasia	Histiocytic, Focal, Mild
* Mammary Gland		Ectasia	Mild
[Ectasia TGLS = 1-8]			
* Pancreas	Acinus	Atrophy	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 203

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64856

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Clitoral Gland		Adenoma	
		Degeneration	Cystic, Moderate
[Adenoma TGLS = 2-21]			
[Degeneration TGLS = 1-8]			
* Liver		Basophilic Focus	Minimal
Lymph Node	Mediastinal	Pigmentation	Mild
[Pigmentation TGLS = 5-3-1]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-22]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Uterus	Endometrium	Polyp Stromal	
[Polyp Stromal TGLS = 4-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 204

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64857

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Clitoral Gland [Degeneration TGLS = 3-8]		Degeneration	Cystic, Mild
* Kidney		Nephropathy	Minimal
* Liver [Basophilic Focus TGLS = 4-6] [Eosinophilic Focus TGLS = 4-6]		Basophilic Focus Eosinophilic Focus	Minimal Minimal
* Mammary Gland [Hyperplasia TGLS = 2-8]		Hyperplasia	Mild
* Pituitary Gland [Adenoma TGLS = 6-1]	Pars Distalis	Adenoma	
* Skin [Inflammation TGLS = 5-21]		Inflammation	Chronic, Focal, Mild
* Thymus		Cyst	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 205

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64858

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Brain		Atrophy	Focal, Moderate
[Atrophy TGLS = 3-1-1]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Minimal
		Hyperplasia	Histiocytic, Focal, Minimal
		Hyperplasia	Lymphoid, Focal, Mild
[Basophilic Focus TGLS = 4-21]			
* Mammary Gland		Ectasia	Moderate
		Hyperplasia	Mild
[Ectasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 206

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64859

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	Tissue NOS	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Mild
[Basophilic Focus TGLS = 3-6]			
* Mammary Gland		Ectasia	Mild
[Ectasia TGLS = 1-8]			
Mesentery		Infiltration Cellular	Mixed Cell, Focal, Mild
Note: Mesentery: Cellular infiltrate is on slide 6, adjacent to liver.			
* Nose		Inflammation	Suppurative, Mild
Note: Exudate in nose contains fungi.			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Uterus		Hydrometra	Mild
	Endometrium	Hyperplasia	Cystic, Minimal
[Hydrometra TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 207

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Natural Death

HISTO: 92-64860

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Brain		Atrophy	Focal, Moderate
[Atrophy TGLS = 7-1-1]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
		Leukemia Mononuclear	
		Fibroadenoma	
* Mammary Gland			
[Fibroadenoma TGLS = 3-21]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 5-22]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Skin		Inflammation	Chronic, Focal, Mild
[Inflammation TGLS = 1-24]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
[Hematopoietic Cell Proliferation TGLS = 4-6]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 208

TRT#: 2

SEX: Female

DAY ON TEST: 667

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 92-64861

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Clitoral Gland

OBSERVATIONS

* Brain		Atrophy	Focal, Moderate
[Atrophy TGLS = 5-1-1]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Minimal
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 1-21, 2-22]			
[Hyperplasia TGLS = 3-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 209

TRT#: 2

SEX: Female

DAY ON TEST: 719

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 92-64862

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-10]			
* Adrenal Medulla		Leukemia Mononuclear	
* Clitoral Gland		Degeneration	Cystic, Moderate
		Hyperplasia	Moderate
[Degeneration TGLS = 2-8-1]			
[Hyperplasia TGLS = 3-8-1]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mediastinal	Pigmentation	Moderate
[Leukemia Mononuclear TGLS = 8-3-1]			
[Pigmentation TGLS = 8-3-1]			
* Mammary Gland		Ectasia	Moderate
		Fibroadenoma	
[Ectasia TGLS = 1-8]			
[Fibroadenoma TGLS = 4-21]			
* Pituitary Gland	Pars Distalis	Cyst	Mild
[Cyst TGLS = 9-1]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 209

TRT#: 2

SEX: Female

DAY ON TEST: 719

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 92-64862

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 5-6]

* Uterus

Endometrium

Polyp Stromal

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 210

TRT#: 2

SEX: Female

DAY ON TEST: 630

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 92-63665

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Pituitary Gland

OBSERVATIONS

* Adrenal Cortex	Cytoplasmic Alteration	Focal, Minimal
* Clitoral Gland	Degeneration	Cystic, Moderate
[Degeneration TGLS = 2-21]		
* Kidney	Nephropathy	Minimal
* Liver	Angiectasis	Mild
	Basophilic Focus	Mild
	Clear Cell Focus	Minimal
[Angiectasis TGLS = 3-22]		
* Mammary Gland	Ectasia	Mild
[Ectasia TGLS = 1-8]		
* Spleen	Hematopoietic Cell Proliferation	Moderate
Vagina	Schwannoma Malignant	
[Schwannoma Malignant TGLS = 4-23]		

PRIMARY CAUSE OF DEATH

- Vagina Schwannoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 211

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64863

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
		Eosinophilic Focus	Mild
[Basophilic Focus TGLS = 1-6]			
[Eosinophilic Focus TGLS = 1-6]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 212

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64864

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Mild
		Hepatodiaphragmatic Nodule	Mild
	[Basophilic Focus TGLS = 5-6]		
	[Hepatodiaphragmatic Nodule TGLS = 6-23]		
* Mammary Gland		Ectasia	Moderate
		Fibroadenoma	Multiple
	[Ectasia TGLS = 2-8]		
	[Fibroadenoma TGLS = 3-21, 4-22]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 8-1]		
* Skin		Ulcer	Mild
	[Ulcer TGLS = 1-24]		
* Thyroid Gland	Follicular Cel	Carcinoma	
	[Carcinoma TGLS = 7-3]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 213

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64865

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
[Basophilic Focus TGLS = 3-6]			
* Mammary Gland		Cyst	Marked
		Ectasia	Mild
[Cyst TGLS = 2-21]			
[Ectasia TGLS = 1-8]			
Mesentery		Inflammation	Chronic, Minimal
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Thyroid Gland	Follicle	Cyst	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 214

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64866

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Minimal
* Clitoral Gland		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Mild
[Basophilic Focus TGLS = 4-6]			
* Lymph Node	Mediastinal	Pigmentation	Mild
[Pigmentation TGLS = 5-3-1]			
* Mammary Gland		Ectasia	Moderate
[Ectasia TGLS = 1-8]		Fibroadenoma	
[Fibroadenoma TGLS = 2-21]			
* Ovary		Cyst	Marked
[Cyst TGLS = 3-7]			
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Skin	Subcut Tiss	Fibrosis	Focal, Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 215

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64867

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Adrenal Medulla		Pheochromocytoma Complex	
[Pheochromocytoma Complex TGLS = 2-21]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Minimal
		Hyperplasia	Lymphoid, Focal, Minimal
		Hyperplasia	Histiocytic, Focal, Minimal
[Basophilic Focus TGLS = 3-6]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 4-23]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 216

TRT#: 2

SEX: Female

DAY ON TEST: 580

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 92-62192

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Thymus

OBSERVATIONS

* Bone		Hyperostosis	Mild
* Bone Marrow		Depletion Cellular	Moderate
* Clitoral Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 2-8]			
* Heart		Thrombosis	Moderate
[Thrombosis TGLS = 4-5]			
* Kidney		Nephropathy	Mild
* Liver		Vacuolization Cytoplasmic	Moderate
Lymph Node	Mediastinal	Pigmentation	Mild
[Pigmentation TGLS = 5-3-1]			
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			

PRIMARY CAUSE OF DEATH

- Heart Thrombosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 217

TRT#: 2

SEX: Female

DAY ON TEST: 670

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 92-64868

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Liver		Basophilic Focus	Mild
Lymph Node	Mediastinal	Ectasia	Mild
[Ectasia TGLS = 4-3-1]			
* Mammary Gland		Ectasia	Mild
[Ectasia TGLS = 3-8]		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-21, 2-22]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 218

TRT#: 2

SEX: Female

DAY ON TEST: 670

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 92-64869

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney	Nephropathy	Minimal
* Liver	Basophilic Focus	Moderate
	Hepatodiaphragmatic Nodule	Moderate
	Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 3-22]		
* Mammary Gland	Ectasia	Minimal
	Fibroadenoma	
[Fibroadenoma TGLS = 1-21]		
* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]		
* Uterus	Endometrium	Hyperplasia
		Cystic, Mild

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 219

TRT#: 2

SEX: Female

DAY ON TEST: 667

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 92-64870

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Brain [Atrophy TGLS = 5-1-1]		Atrophy	Focal, Mild
* Clitoral Gland [Adenoma TGLS = 1-21]		Adenoma	
* Kidney Lymph Node [Ectasia TGLS = 4-22]	Iliac	Nephropathy Ectasia	Minimal Moderate
* Mammary Gland [Ectasia TGLS = 2-8]		Ectasia	Mild
* Pituitary Gland [Adenoma TGLS = 6-1]	Pars Distalis	Adenoma	
* Skin	Subcut Tiss	Fibroma	
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Uterus	Endometrium	Polyp Stromal	

PRIMARY CAUSE OF DEATH

- Clitoral Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 220

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64871

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Clitoral Gland		Adenoma Inflammation	Chronic, Moderate
[Adenoma TGLS = 2-8-1]			
[Inflammation TGLS = 2-8-1]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus Hyperplasia	Minimal Histiocytic, Focal, Mild
[Basophilic Focus TGLS = 3-6]			
[Hyperplasia TGLS = 3-6]			
* Mammary Gland		Ectasia	Mild
[Ectasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 221

TRT#: 2

SEX: Female

DAY ON TEST: 533

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 92-61692

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Mammary Gland		Ectasia	Mild
Mesentery	Artery	Inflammation	Chronic, Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 3-6]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
* Uterus	Endometrium	Sarcoma Stromal	
[Sarcoma Stromal TGLS = 2-21]			

PRIMARY CAUSE OF DEATH

- Uterus Endometrium Sarcoma Stromal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 222

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64872

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 223

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64873

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

INSUFFICIENT TISSUE

* Pituitary Gland

OBSERVATIONS

* Brain [Atrophy TGLS = 5-1-1]	Atrophy	Focal, Mild
* Kidney [Sarcoma TGLS = 1-21]	Nephropathy Sarcoma	Minimal
* Liver [Basophilic Focus TGLS = 3-6] [Mixed Cell Focus TGLS = 3-6]	Basophilic Focus Mixed Cell Focus	Minimal Minimal
* Mammary Gland [Ectasia TGLS = 2-8]	Ectasia	Mild
* Thyroid Gland	C Cell Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 224

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64874

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex	Cytoplasmic Alteration	Focal, Mild
* Clitoral Gland	Inflammation	Chronic, Mild
* Kidney	Nephropathy	Minimal
* Liver	Basophilic Focus	Mild
	Hepatodiaphragmatic Nodule	Mild
[Basophilic Focus TGLS = 2-6]		
[Hepatodiaphragmatic Nodule TGLS = 3-22]		
* Mammary Gland	Fibroadenoma	
[Fibroadenoma TGLS = 1-21]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 225

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64875

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Clitoral Gland [Degeneration TGLS = 2-22]		Degeneration	Cystic, Mild
* Kidney		Nephropathy	Minimal
* Liver [Basophilic Focus TGLS = 4-6]	Bile Duct	Basophilic Focus Hyperplasia	Mild Minimal
* Mammary Gland [Ectasia TGLS = 3-8]		Ectasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin [Adenoma TGLS = 1-21]	Sebaceous GI	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 226

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64876

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Bone		Hyperostosis	Mild
[Hyperostosis TGLS = 7-23]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Mild
[Leukemia Mononuclear TGLS = 6-6]		Leukemia Mononuclear	
* Mammary Gland		Ectasia	Mild
[Ectasia TGLS = 2-8]		Fibroadenoma	
[Fibroadenoma TGLS = 3-21]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 5-22]			
* Pituitary Gland		Angiectasis	Minimal
[Angiectasis TGLS = 8-1]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 227

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64877

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Mammary Gland		Ectasia	Mild
		Fibroadenoma	
[Ectasia TGLS = 1-8]			
[Fibroadenoma TGLS = 3-22]			
* Nose		Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 2-21]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 228

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64878

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Uterus			

OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Hyperplasia Nephropathy	Moderate Mild
* Liver	Bile Duct	Basophilic Focus Hyperplasia	Mild Minimal
Mesentery	Fat	Accessory Spleen Necrosis	Minimal Minimal
	[Accessory Spleen TGLS = 4-22]		
	[Necrosis TGLS = 5-23]		
* Pituitary Gland		Angiectasis	Mild
Ureter	Transit Epithe	Hyperplasia Inflammation	Moderate Chronic, Moderate
* Urinary Bladder	Transit Epithe	Calculus Gross Observation Calculus Micro Observation Only Hyperplasia Inflammation	Moderate Moderate Marked Chronic, Moderate
	[Calculus Gross Observation TGLS = 2-21]		
	[Calculus Micro Observation Only TGLS = 2-21]		
	[Hyperplasia TGLS = 3-25]		
	[Inflammation TGLS = 3-25]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 229

TRT#: 2

SEX: Female

DAY ON TEST: 399

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 92-61175

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hyperplasia	Histiocytic, Focal, Minimal
* Lymph Node, Mandibular [Hyperplasia TGLS = 1-8]		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Stomach, Forestomach		Inflammation	Chronic, Mild
Tongue [Squamous Cell Carcinoma TGLS = 2-21]		Squamous Cell Carcinoma	

PRIMARY CAUSE OF DEATH

- Tongue Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 230

TRT#: 2

SEX: Female

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64879

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Brain [Atrophy TGLS = 6-1-1]		Atrophy	Focal, Mild
* Kidney		Nephropathy	Mild
* Liver [Infiltration Cellular TGLS = 4-6]		Basophilic Focus Infiltration Cellular	Mild Mixed Cell, Mild
* Mammary Gland [Ectasia TGLS = 2-8]		Ectasia	Mild
Mesentery [Necrosis TGLS = 3-22]	Fat	Necrosis	Moderate
* Pituitary Gland [Adenoma TGLS = 5-1]	Pars Distalis	Adenoma	
* Skin [Melanoma Benign TGLS = 1-21]	Subcut Tiss	Melanoma Benign	
* Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 231

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64880

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Mild
		Hyperplasia	Histiocytic, Focal, Minimal
		Hyperplasia	Lymphoid, Focal, Minimal
[Basophilic Focus TGLS = 1-6]			
* Pancreas	Acinus	Atrophy	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 232

TRT#: 2

SEX: Female

DAY ON TEST: 498

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 92-61445

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Clitoral Gland | * Esophagus | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Liver | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|------------------------------|---------------|------------------|-----------------|
| * Brain | | Glioma Malignant | |
| * Mammary Gland | | Ectasia | Moderate |
| | | Fibroadenoma | |
| | | Hyperplasia | Mild |
| [Ectasia TGLS = 2-8] | | | |
| [Fibroadenoma TGLS = 1-21] | | | |
| [Hyperplasia TGLS = 2-8] | | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 3-1] | | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Minimal |
| [Hyperplasia TGLS = 4-7] | | | |

PRIMARY CAUSE OF DEATH - Brain Glioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 233

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64881

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-22]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Mild
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-21]			
* Ovary		Arrhenoblastoma Benign	
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Cytoplasmic Alteration	Focal, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
	Endometrium	Polyp Stromal	
[Polyp Stromal TGLS = 2-7-1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 234

TRT#: 2

SEX: Female

DAY ON TEST: 678

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 92-64882

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Mild
		Leukemia Mononuclear	
* Mammary Gland		Ectasia	Mild
		Fibroadenoma	
[Ectasia TGLS = 1-8]			
[Fibroadenoma TGLS = 7-22]			
* Pituitary Gland		Angiectasis	Moderate
[Angiectasis TGLS = 6-1]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Polyp Stromal	
Note: Uterus is prolapsed. TGL: 3-7-1. No TDMS term is available for "prolapse".			
[Polyp Stromal TGLS = 4-21]			

PRIMARY CAUSE OF DEATH

- Uterus Endometrium Polyp Stromal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 235

TRT#: 2

SEX: Female

DAY ON TEST: 498

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 92-61446

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Clitoral Gland [Degeneration TGLS = 1-8]	Degeneration	Cystic, Mild
* Kidney	Nephropathy	Mild
* Mammary Gland [Fibroadenoma TGLS = 2-21]	Fibroadenoma	

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 236

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64883

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland [Degeneration TGLS = 1-8-1]		Degeneration	Cystic, Moderate
* Kidney		Nephropathy	Minimal
* Liver [Basophilic Focus TGLS = 4-6]		Basophilic Focus	Mild
* Mammary Gland [Fibroadenoma TGLS = 2-21, 3-22]		Fibroadenoma	Multiple
* Pituitary Gland	Pars Distalis	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 237	TRT#: 2	SEX: Female	DAY ON TEST: 735
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 92-64884

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Mild
[Basophilic Focus TGLS = 1-6]			
* Lung	Alveolar Epith	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 238

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64885

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Brain [Atrophy TGLS = 4-1-1]		Atrophy	Focal, Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Mild
* Mammary Gland [Fibroadenoma TGLS = 2-21]		Fibroadenoma	
* Pituitary Gland [Adenoma TGLS = 5-1]	Pars Distalis	Adenoma	
* Uterus [Polyp Stromal TGLS = 3-7-1]	Endometrium	Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 239

TRT#: 2

SEX: Female

DAY ON TEST: 524

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 92-61693

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain	Hemorrhage	Focal, Moderate
	Leukemia Mononuclear	
[Hemorrhage TGLS = 3-1]		
[Leukemia Mononuclear TGLS = 3-1]		
* Kidney	Nephropathy	Minimal
* Liver	Basophilic Focus	Minimal
	Hepatodiaphragmatic Nodule	Mild
	Leukemia Mononuclear	
	Vacuolization Cytoplasmic	Mild
[Hepatodiaphragmatic Nodule TGLS = 2-21]		
[Vacuolization Cytoplasmic TGLS = 4-22]		
* Lymph Node, Mesenteric	Leukemia Mononuclear	
* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-6]		
* Thymus	Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 240

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64886

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Atrophy	Focal, Mild
[Atrophy TGLS = 5-1-1]			
* Liver		Basophilic Focus	Mild
[Basophilic Focus TGLS = 3-6]		Clear Cell Focus	Minimal
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 1-21]		Ectasia	Moderate
[Ectasia TGLS = 2-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 241

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64887

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone		Hyperostosis	Mild
[Hyperostosis TGLS = 2-21]			
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Minimal
		Hepatodiaphragmatic Nodule	Mild
		Mixed Cell Focus	Minimal
[Basophilic Focus TGLS = 1-6]			
[Hepatodiaphragmatic Nodule TGLS = 3-22]			
[Mixed Cell Focus TGLS = 1-6]			
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Cytoplasmic Alteration	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 242

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64888

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Minimal
[Basophilic Focus TGLS = 3-6]			
* Mammary Gland		Ectasia	Minimal
[Ectasia TGLS = 1-8-1]		Fibroadenoma	
[Fibroadenoma TGLS = 2-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 243

TRT#: 2

SEX: Female

DAY ON TEST: 545

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 92-62193

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hemorrhage	Mild
[Hemorrhage TGLS = 6-10]			
* Bone		Hyperostosis	Mild
[Hyperostosis TGLS = 13-25]			
* Brain		Atrophy	Focal, Mild
[Atrophy TGLS = 12-1-1]			
* Kidney		Nephropathy	Minimal
* Liver		Hemorrhage	Moderate
	Centrilobular	Leukemia Mononuclear	
		Necrosis	Moderate
[Hemorrhage TGLS = 9-6]			
[Leukemia Mononuclear TGLS = 9-6]			
[Necrosis TGLS = 9-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-2]			
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Inguinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 14-24]			
[Leukemia Mononuclear TGLS = 5-7-1]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-23]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 243	TRT#: 2	SEX: Female	DAY ON TEST: 545
	DOSE: VEHICLE CONTROL	DISP: Moribund Sacrifice	HISTO: 92-62193

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Hyperplasia	Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 7-22]			
* Ovary		Cyst	Marked
[Cyst TGLS = 1-7]		Leukemia Mononuclear	
* Pituitary Gland		Angiectasis	Mild
[Angiectasis TGLS = 11-1-1]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-1-1]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-21, 4-6]			
* Thymus		Leukemia Mononuclear	
* Uterus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 244

TRT#: 2

SEX: Female

DAY ON TEST: 576

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 92-62194

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Brain		Atrophy	Focal, Moderate
[Atrophy TGLS = 5-1-1]			
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	Mild
[Clear Cell Focus TGLS = 2-21]		Vacuolization Cytoplasmic	Moderate
* Mammary Gland		Ectasia	Moderate
[Ectasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1-1]			
* Skin	Subcut Tiss	Hemorrhage	Focal, Mild
[Hemorrhage TGLS = 4-22]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 245

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64889

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Moderate
[Basophilic Focus TGLS = 3-6]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Uterus	Endometrium	Polyp Stromal	
[Polyp Stromal TGLS = 2-21]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 246

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64890

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
* Mammary Gland		Ectasia	Mild
		Fibroadenoma	Multiple
	[Ectasia TGLS = 1-8]		
	[Fibroadenoma TGLS = 2-21, 3-22]		
* Nose		Inflammation	Suppurative, Mild
Note: Nasal exudate contains fungi.			
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
	Endometrium	Polyp Stromal	
	[Polyp Stromal TGLS = 5-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 247

TRT#: 2

SEX: Female

DAY ON TEST: 720

DOSE: VEHICLE CONTROL

DISP: Moribund Sacrifice

HISTO: 92-64891

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Mild
[Basophilic Focus TGLS = 2-22]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]			
* Pituitary Gland	Pars Distalis	Cyst	Minimal

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 248

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64892

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone		Hyperostosis	Moderate
* Liver		Basophilic Focus	Mild
[Basophilic Focus TGLS = 1-6]			
* Nose		Foreign Body	
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Zymbal's Gland		Adenoma	
[Adenoma TGLS = 2-21-1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 249

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 92-64893

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Cytoplasmic Alteration	Focal, Mild
		Degeneration	Cystic, Mild
* Clitoral Gland [Degeneration TGLS = 2-8]			
* Liver [Basophilic Focus TGLS = 7-6]	Bile Duct	Basophilic Focus	Mild
		Hyperplasia	Minimal
* Mammary Gland [Ectasia TGLS = 3-8] [Fibroadenoma TGLS = 4-21]		Ectasia	Minimal
		Fibroadenoma	
* Pancreas [Adenoma TGLS = 6-22]	Acinus	Adenoma	
* Pituitary Gland [Cyst TGLS = 8-1]	Pars Distalis	Angiectasis	Mild
		Cyst	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus [Polyp Stromal TGLS = 5-7-1]	Endometrium	Polyp Stromal	

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 250

TRT#: 2

SEX: Female

DAY ON TEST: 691

DOSE: VEHICLE CONTROL

DISP: Natural Death

HISTO: 92-64894

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Brain		Hemorrhage	Focal, Moderate
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Moderate
		[Leukemia Mononuclear TGLS = 3-6]	
* Lung		Leukemia Mononuclear	
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 5-3-1]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-5]	
* Mammary Gland		Ectasia	Mild
Mesentery		Leukemia Mononuclear	
* Ovary		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-7]	
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 250	TRT#: 2	SEX: Female	DAY ON TEST: 691
	DOSE: VEHICLE CONTROL	DISP: Natural Death	HISTO: 92-64894

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 6-1]		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-6]			
* Stomach, Forestomach	Epithelium	Hyperplasia Inflammation Ulcer	Mild Chronic, Moderate Mild
[Ulcer TGLS = 7-21]			
* Uterus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH	- Liver	Leukemia Mononuclear
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 251

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65293

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Clitoral Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 1-21]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Minimal
* Mammary Gland		Ectasia	Mild
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 252	TRT#: 4	SEX: Female	DAY ON TEST: 600
	DOSE: 7.5 MG/KG	DISP: Natural Death	HISTO: 92-62394

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Mild
* Mammary Gland		Ectasia	Mild
[Ectasia TGLS = 1-8]			
* Pituitary Gland		Angiectasis	Mild
[Angiectasis TGLS = 3-1]	Pars Distalis	Cytoplasmic Alteration	Focal, Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Polyp Stromal	
[Polyp Stromal TGLS = 2-7-1]			

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 253

TRT#: 4

SEX: Female

DAY ON TEST: 595

DOSE: 7.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-62395

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 1-21]			
* Kidney		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	Mild
[Hepatodiaphragmatic Nodule TGLS = 5-23]			
Lymph Node	Renal	Hyperplasia	Moderate
[Hyperplasia TGLS = 6-24]			
* Mammary Gland		Ectasia	Mild
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-22]			
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
[Adenoma TGLS = 7-1]			
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 3-6]			

PRIMARY CAUSE OF DEATH - Clitoral Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 254

TRT#: 4

SEX: Female

DAY ON TEST: 614

DOSE: 7.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-63677

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Clitoral Gland [Degeneration TGLS = 2-8]		Degeneration	Cystic, Moderate
* Kidney	Papilla	Mineralization Nephropathy Hyperplasia Hyperplasia Pigmentation	Focal, Mild Mild Histiocytic, Focal, Minimal Lymphoid, Focal, Minimal Mild
* Liver			
Lymph Node Note: Pigment in inguinal lymph node is black. [Pigmentation TGLS = 4-24]	Inguinal		
* Mammary Gland [Ectasia TGLS = 3-8] [Fibroadenoma TGLS = 5-22]		Ectasia Fibroadenoma	Mild
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Skin [Inflammation TGLS = 1-21]		Inflammation	Chronic, Focal, Minimal
* Uterus [Hydrometra TGLS = 6-7]	Endometrium	Hydrometra Hyperplasia	Mild Cystic, Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 255

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65294

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Esophagus | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Trachea | * Urinary Bladder | * Uterus |

OBSERVATIONS

- | | | | |
|---|--------|------------------|---------|
| * Clitoral Gland
[Adenoma TGLS = 1-8-1] | | Adenoma | |
| * Kidney | | Nephropathy | Minimal |
| * Liver
[Basophilic Focus TGLS = 3-6] | | Basophilic Focus | Mild |
| * Mammary Gland
[Fibroadenoma TGLS = 2-21] | | Fibroadenoma | |
| * Thyroid Gland | C Cell | Adenoma | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 256	TRT#: 4	SEX: Female	DAY ON TEST: 730
	DOSE: 7.5 MG/KG	DISP: Terminal Sacrifice	HISTO: 93-65295

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular	* Salivary Glands	* Spleen
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OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Minimal
[Basophilic Focus TGLS = 4-24]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-21, 3-23]			
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = 2-22]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 257

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65296

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-22, 3-23]			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Spleen		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 258

TRT#: 4

SEX: Female

DAY ON TEST: 692

DOSE: 7.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 93-63039

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Brain | * Esophagus | * Intestine Large, Cecum | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Parathyroid Gland | * Thyroid Gland | * Trachea | |

OBSERVATIONS

- | | | |
|---------------------------------------|---------------|----------------------|
| * Bone Marrow | | Leukemia Mononuclear |
| * Clitoral Gland | | Adenoma |
| | | Leukemia Mononuclear |
| * Heart | | Leukemia Mononuclear |
| * Intestine Large, Colon | | Leukemia Mononuclear |
| * Kidney | | Leukemia Mononuclear |
| * Liver | | Leukemia Mononuclear |
| * Lung | | Leukemia Mononuclear |
| Lymph Node | Deep Cervical | Leukemia Mononuclear |
| | Iliac | Leukemia Mononuclear |
| | Inguinal | Leukemia Mononuclear |
| | Pancreatic | Leukemia Mononuclear |
| | Popliteal | Leukemia Mononuclear |
| | Renal | Leukemia Mononuclear |
| | | Leukemia Mononuclear |
| [Leukemia Mononuclear TGLS = 1-21] | | |
| [Leukemia Mononuclear TGLS = 12-27] | | |
| [Leukemia Mononuclear TGLS = 11-26] | | |
| [Leukemia Mononuclear TGLS = 6-22] | | |
| [Leukemia Mononuclear TGLS = 9-25] | | |
| [Leukemia Mononuclear TGLS = 7-23] | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear |
| [Leukemia Mononuclear TGLS = 2-8] | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear |
| [Leukemia Mononuclear TGLS = 8-24] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 258	TRT#: 4	SEX: Female	DAY ON TEST: 692
	DOSE: 7.5 MG/KG	DISP: Moribund Sacrifice	HISTO: 93-63039

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Ectasia	Moderate
Mesentery		Leukemia Mononuclear	
* Nose		Leukemia Mononuclear	
* Ovary		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
* Salivary Glands		Leukemia Mononuclear	
* Skin	Subcut Tiss	Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6]		
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 10-3]		
* Urinary Bladder		Leukemia Mononuclear	
* Uterus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

Animal Note: TGL 1-21 is axillary lymph node.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 259

TRT#: 4

SEX: Female

DAY ON TEST: 694

DOSE: 7.5 MG/KG

DISP: Natural Death

HISTO: 93-63040

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------|--------------------------|--------------------------|----------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Brain | * Clitoral Gland | * Esophagus | * Heart |
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

AUTO PRECLUDES DIAG.

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Bone Marrow | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Kidney |

OBSERVATIONS

- | | | | |
|-------------------|---------------|----------------------|------|
| * Liver | | Leukemia Mononuclear | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Inguinal | Leukemia Mononuclear | |
| * Pituitary Gland | Pars Distalis | Cyst | Mild |
| * Spleen | | Leukemia Mononuclear | |

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 260

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65297

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone		Hyperostosis	Marked
* Liver		Basophilic Focus	Mild
[Basophilic Focus TGLS = 3-6]			
* Mammary Gland		Ectasia	Mild
[Fibroadenoma TGLS = 1-21]		Fibroadenoma	
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = 2-22]			
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 261

TRT#: 4

SEX: Female

DAY ON TEST: 670

DOSE: 7.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 93-63041

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Islets, Pancreatic [Carcinoma TGLS = 3-23]		Carcinoma	
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
* Liver [Carcinoma TGLS = 2-22]		Basophilic Focus	Mild
		Carcinoma	Metastatic (Islets, Pancreatic)
* Mammary Gland [Fibroadenoma TGLS = 1-21]		Fibroadenoma	
Mesentery [Carcinoma TGLS = 3-23]		Carcinoma	Metastatic (Islets, Pancreatic)
* Nose		Inflammation	Suppurative, Minimal
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Cytoplasmic Alteration	Focal, Minimal
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Polyp Stromal	

PRIMARY CAUSE OF DEATH - Islets, Pancreatic Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 262

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65298

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Mild
[Basophilic Focus TGLS = 3-6]			
* Mammary Gland		Ectasia	Mild
[Ectasia TGLS = 1-8]		Fibroadenoma	
[Fibroadenoma TGLS = 2-21]			
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 263

TRT#: 4

SEX: Female

DAY ON TEST: 579

DOSE: 7.5 MG/KG

DISP: Natural Death

HISTO: 92-62208

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
* Mammary Gland		Ectasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Uterus		Hemorrhage	Moderate
	Endometrium	Sarcoma Stromal	
[Hemorrhage TGLS = 2-7-1]			
[Sarcoma Stromal TGLS = 3-7-1]			

PRIMARY CAUSE OF DEATH

- Uterus Endometrium Sarcoma Stromal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 264

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65299

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Mild
		Hepatodiaphragmatic Nodule	Moderate
	[Hepatodiaphragmatic Nodule TGLS = 2-6, 3-22]		
* Lung		Hemorrhage	Minimal
	[Hemorrhage TGLS = 5-2]		
Lymph Node	Mediastinal	Pigmentation	Moderate
	[Pigmentation TGLS = 4-3-1]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-21]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 6-1]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 265

TRT#: 4

SEX: Female

DAY ON TEST: 691

DOSE: 7.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 93-63042

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Brain		Atrophy	Focal, Marked
[Atrophy TGLS = 7-1-1]			
* Kidney		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 1-21, 2-22]		Ectasia	Mild
* Ovary	Bilateral	Cyst	Marked
Note: Both ovaries are polycystic.			
[Cyst TGLS = 3-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]		Metaplasia	Osseous, Focal, Minimal
* Spleen		Leukemia Mononuclear	
* Uterus		Hydrometra	Moderate
[Hydrometra TGLS = 4-7]	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 266

TRT#: 4

SEX: Female

DAY ON TEST: 614

DOSE: 7.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-63678

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland [Adenoma TGLS = 1-21]		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver [Hepatodiaphragmatic Nodule TGLS = 5-23]		Basophilic Focus	Minimal
		Hepatodiaphragmatic Nodule	Moderate
* Mammary Gland [Fibroadenoma TGLS = 2-22]		Fibroadenoma	
* Pituitary Gland [Adenoma TGLS = 3-1]	Pars Distalis	Adenoma	

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

CONTRIBUTORY CAUSE OF DEATH

- Clitoral Gland Adenoma; Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 267

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65300

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Parathyroid Gland	Peripheral Nerve	Peritoneum
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Mild
		Leukemia Mononuclear	
* Nose		Inflammation	Suppurative, Minimal
* Pancreas	Acinus	Adenoma	
* Pituitary Gland	Pars Distalis	Adenoma	
Note: Adenoma is acidophilic type. [Adenoma TGLS = 1-1]			
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 268

TRT#: 4

SEX: Female

DAY ON TEST: 700

DOSE: 7.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 93-63043

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone		Hyperostosis	Moderate
[Hyperostosis TGLS = 6-23]			
* Brain		Atrophy	Focal, Mild
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 2-21]			
* Liver		Basophilic Focus	Mild
[Basophilic Focus TGLS = 5-6]			
* Mammary Gland		Ectasia	Mild
[Ectasia TGLS = 1-8]		Fibroadenoma	
[Fibroadenoma TGLS = 3-22]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Uterus		Hydrometra	Moderate
[Hydrometra TGLS = 4-7]	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Clitoral Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 269

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65301

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

Eye	Sclera	Metaplasia	Osseous, Focal, Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Mild
[Basophilic Focus TGLS = 4-6]			
* Lung		Alveolar/Bronchiolar Adenoma	
* Mammary Gland		Ectasia	Mild
[Fibroadenoma TGLS = 2-21]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-22]			
* Pancreas	Acinus	Hyperplasia	Focal, Moderate
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 270

TRT#: 4

SEX: Female

DAY ON TEST: 614

DOSE: 7.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-63679

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Esophagus | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | * Uterus |

OBSERVATIONS

- | | | |
|---|----------------------------------|------------------|
| * Clitoral Gland
[Degeneration TGLS = 1-8] | Degeneration | Cystic, Moderate |
| * Kidney | Nephropathy | Minimal |
| * Liver | Basophilic Focus | Minimal |
| * Mammary Gland
[Fibroadenoma TGLS = 2-21] | Fibroadenoma | |
| * Spleen | Hematopoietic Cell Proliferation | Minimal |

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 271

TRT#: 4

SEX: Female

DAY ON TEST: 404

DOSE: 7.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-61182

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus	Endometrium	Polyp Stromal	
[Polyp Stromal TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

- Uterus Endometrium Polyp Stromal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 272	TRT#: 4	SEX: Female	DAY ON TEST: 651
	DOSE: 7.5 MG/KG	DISP: Natural Death	HISTO: 93-65044

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Liver		Basophilic Focus	Mild
* Mammary Gland		Ectasia	Minimal
[Ectasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 273

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65302

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Blood Vessel | * Bone Marrow | * Clitoral Gland |
| * Esophagus | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|---------------------------------|---------------|----------------------------------|-----------------|
| * Adrenal Medulla | | Hyperplasia | Minimal |
| * Bone | | Hyperostosis | Marked |
| [Hyperostosis TGLS = 3-21] | | | |
| * Brain | | Atrophy | Focal, Moderate |
| [Atrophy TGLS = 4-1-1] | | | |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Mild |
| [Basophilic Focus TGLS = 2-6] | | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 5-1] | | | |
| * Spleen | | Hematopoietic Cell Proliferation | Moderate |
| * Thyroid Gland | Follicle | Cyst | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 274

TRT#: 4

SEX: Female

DAY ON TEST: 5

DOSE: 7.5 MG/KG

DISP: Natural Death

HISTO: 90-55496

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Uterus

MISSING

* Adrenal Medulla

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Pancreas
* Spleen	* Urinary Bladder		

OBSERVATIONS

* Kidney [Dilatation TGLS = 5-5]	Pelvis	Dilatation	Moderate
* Lung [Congestion TGLS = 6-2]		Congestion	Moderate

PRIMARY CAUSE OF DEATH

- UNCERTAIN

Animal Note: Calculi of urethra reported at necropsy but not verifiable on microscopic examination may have contributed to occurrence of death.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 275

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65303

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Brain [Atrophy TGLS = 4-1-1]		Atrophy	Focal, Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Minimal
* Mammary Gland [Ectasia TGLS = 1-8] [Fibroadenoma TGLS = 2-21]		Ectasia	Mild
		Fibroadenoma	
* Pituitary Gland [Adenoma TGLS = 3-1]	Pars Distalis	Adenoma	
Tooth Note: Malformation of tooth is dysplasia of root of incisor.		Developmental Malformation	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 276

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65304

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 2-7]			
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 277

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65305

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Minimal
		Hepatodiaphragmatic Nodule	Mild
[Basophilic Focus TGLS = 5-6]			
[Hepatodiaphragmatic Nodule TGLS = 4-22]			
Lymph Node	Mediastinal	Pigmentation	Moderate
[Pigmentation TGLS = 6-3-1]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 1-21]			
* Uterus	Endometrium	Polyp Stromal	
[Polyp Stromal TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 278

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65306

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Islets, Pancreatic		Adenoma	
* Kidney		Cyst	Mild
		Nephropathy	Minimal
[Cyst TGLS = 2-21]			
* Liver		Basophilic Focus	Mild
* Mammary Gland		Ectasia	Moderate
[Ectasia TGLS = 1-8]			
* Pancreas	Acinus	Hyperplasia	Focal, Mild
* Pituitary Gland		Angiectasis	Mild
[Angiectasis TGLS = 3-1]			
* Spleen		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 279

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65307

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Atrophy	Focal, Moderate
[Atrophy TGLS = 5-1-1]			
Eye			
Note: Only lids of eye examined.			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Minimal
[Basophilic Focus TGLS = 3-6]			
* Mammary Gland		Ectasia	Moderate
[Ectasia TGLS = 2-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1-1]			
* Skin		Ulcer	Minimal
[Ulcer TGLS = 6-22]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 280

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65308

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Mild
		Hyperplasia	Lymphoid, Focal, Minimal
		Hyperplasia	Histiocytic, Focal, Minimal
[Basophilic Focus TGLS = 1-6]			
* Lymph Node, Mesenteric		Pigmentation	Mild
[Pigmentation TGLS = 2-5]			
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 281

TRT#: 4

SEX: Female

DAY ON TEST: 293

DOSE: 7.5 MG/KG

DISP: Dosing Accident

HISTO: 91-59863

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Liver | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | * Uterus |

OBSERVATIONS

- | | | | |
|-------------------------------|-------------|--------------|-----------------|
| * Esophagus | | Inflammation | Focal, Moderate |
| | | Perforation | Moderate |
| [Inflammation TGLS = 2-21] | | | |
| [Perforation TGLS = 2-21] | | | |
| Lymph Node | Mediastinal | Pigmentation | Mild |
| [Pigmentation TGLS = 3-3-1] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 282

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65309

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Skin		Ulcer	Minimal
[Ulcer TGLS = 2-21]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 283

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65310

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Kidney	Nephropathy	Minimal
* Liver	Basophilic Focus	Mild
	Mixed Cell Focus	Minimal
[Basophilic Focus TGLS = 2-6]		
* Mammary Gland	Ectasia	Mild
[Ectasia TGLS = 1-21]		
* Pituitary Gland	Angiectasis	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 284

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65311

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Pancreas

OBSERVATIONS

* Adrenal Cortex	Accessory Adrenal Cortical Nodule	Minimal
* Kidney	Nephropathy	Minimal
* Liver	Basophilic Focus	Mild
	Mixed Cell Focus	Minimal
[Basophilic Focus TGLS = 1-6]		
* Nose	Inflammation	Suppurative, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 285

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65312

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Clitoral Gland [Degeneration TGLS = 1-21]		Degeneration	Cystic, Moderate
* Liver [Basophilic Focus TGLS = 3-6]	Bile Duct	Basophilic Focus Hyperplasia	Mild Minimal
* Mammary Gland [Ectasia TGLS = 2-8]		Ectasia	Mild
* Pituitary Gland [Adenoma TGLS = 4-1-1]	Pars Distalis Pars Distalis	Adenoma Cyst	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 286

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65313

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
		Mixed Cell Focus	Mild
	[Basophilic Focus TGLS = 2-6]		
	[Mixed Cell Focus TGLS = 2-6]		
* Lymph Node, Mesenteric		Pigmentation	Mild
	[Pigmentation TGLS = 3-5]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLS = 1-21]		
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 287

TRT#: 4

SEX: Female

DAY ON TEST: 598

DOSE: 7.5 MG/KG

DISP: Natural Death

HISTO: 92-62396

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Mild
[Basophilic Focus TGLS = 1-6]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Moderate

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 288

TRT#: 4

SEX: Female

DAY ON TEST: 478

DOSE: 7.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-61449

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Moderate
* Kidney		Nephropathy	Mild
	Renal Tubule	Pigmentation	Moderate
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6]		
* Lung		Leukemia Mononuclear	
* Ovary		Cyst	Minimal
	[Cyst TGLS = 2-7]	Leukemia Mononuclear	
* Pituitary Gland		Angiectasis	Moderate
	[Angiectasis TGLS = 6-1]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6]		
* Thymus		Cyst	Minimal
* Uterus	Endometrium	Polyp Stromal	

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 289

TRT#: 4

SEX: Female

DAY ON TEST: 504

DOSE: 7.5 MG/KG

DISP: Natural Death

HISTO: 92-61696

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Brain | * Clitoral Gland | * Esophagus | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

OBSERVATIONS

- | | | | |
|----------------------------|--------|--------------------|----------------|
| * Bone Marrow | | Depletion Cellular | Moderate |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | Minimal |
| * Lung | | Congestion | Moderate |
| * Pancreas | Acinus | Atrophy | Focal, Minimal |
| * Pituitary Gland | | Angiectasis | Mild |
| [Angiectasis TGLS = 1-1] | | | |

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 290

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65314

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
Lacrimal Gland	Larynx	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Minimal
[Basophilic Focus TGLS = 1-6]			
* Mammary Gland		Ectasia	Mild
[Fibroadenoma TGLS = 2-21]		Fibroadenoma	
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 291

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65315

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Brain [Atrophy TGLS = 5-1-1]		Atrophy	Focal, Mild
* Kidney		Nephropathy	Minimal
* Liver [Basophilic Focus TGLS = 4-6]		Basophilic Focus	Mild
* Mammary Gland [Hyperplasia TGLS = 2-8]		Hyperplasia	Mild
Mesentery [Necrosis TGLS = 3-22]	Fat	Necrosis	Moderate
* Pituitary Gland [Adenoma TGLS = 6-1]	Pars Distalis	Adenoma	
* Skin [Ulcer TGLS = 1-21]		Ulcer	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 292	TRT#: 4	SEX: Female	DAY ON TEST: 600
	DOSE: 7.5 MG/KG	DISP: Moribund Sacrifice	HISTO: 92-62397

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Minimal
* Pituitary Gland	Pars Distalis	Cytoplasmic Alteration	Focal, Minimal
* Skin	Subcut Tiss	Fibroma	

[Fibroma TGLS = 1-21]

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 293

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65316

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Bone Marrow
- * Heart
- * Intestine Small, Duodenum
- * Kidney
- * Mammary Gland
- * Pituitary Gland
- * Stomach, Forestomach
- * Trachea

- * Adrenal Medulla
- * Brain
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lung
- * Nose
- * Salivary Glands
- * Stomach, Glandular
- * Urinary Bladder

- * Blood Vessel
- * Clitoral Gland
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Lymph Node, Mandibular
- * Ovary
- * Skin
- * Thymus
- * Uterus

- * Bone
- * Esophagus
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Lymph Node, Mesenteric
- * Parathyroid Gland
- * Spleen
- * Thyroid Gland

OBSERVATIONS

- * Liver
- [Basophilic Focus TGLS = 2-6]
- * Pancreas

- Bile Duct
- Acinus

- Basophilic Focus
- Hyperplasia
- Atrophy

- Mild
- Minimal
- Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 294

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65317

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Kidney | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|---------------------------------------|---------------|------------------|----------|
| * Liver | | Basophilic Focus | Mild |
| | | Mixed Cell Focus | Mild |
| [Basophilic Focus TGLS = 3-23, 4-6] | | | |
| [Mixed Cell Focus TGLS = 3-23, 4-6] | | | |
| * Mammary Gland | | Fibroadenoma | Multiple |
| [Fibroadenoma TGLS = 1-21, 2-22] | | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 5-1] | | | |
| * Thyroid Gland | C Cell | Adenoma | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 295

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65318

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Liver		Basophilic Focus	Minimal
[Basophilic Focus TGLS = 5-6]			
Lymph Node			
Note: Mediastinal lymph node is missing.			
* Mammary Gland		Ectasia	Minimal
[Ectasia TGLS = 1-8]			
Mesentery		Accessory Spleen	Mild
	Fat	Necrosis	Mild
[Accessory Spleen TGLS = 4-22]			
[Necrosis TGLS = 3-21]			
* Pituitary Gland	Pars Distalis	Cyst	Mild
[Cyst TGLS = 7-1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 296

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65319

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 5-6]			
[Leukemia Mononuclear TGLS = 5-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-3]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-8]			
* Mammary Gland		Ectasia	Mild
		Hyperplasia	Mild
[Ectasia TGLS = 2-8]			
[Hyperplasia TGLS = 2-8]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 296

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65319

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

Bilateral, C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 297

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65320

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Mild
* Clitoral Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 1-21]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
Note: TGLs = 3-23 = no corresponding lesion.			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-22]			
* Nose	Glands, Mucosa	Dilatation	Focal, Minimal
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Cytoplasmic Alteration	Focal, Mild
* Uterus	Endometrium	Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 298

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65321

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland [Degeneration TGLS = 1-8]		Degeneration	Cystic, Moderate
* Liver [Basophilic Focus TGLS = 4-6] [Mixed Cell Focus TGLS = 4-6]		Basophilic Focus Mixed Cell Focus	Minimal Mild
* Lung [Hyperplasia TGLS = 5-2-1]	Alveolar Epith	Hyperplasia Inflammation	Minimal Chronic, Minimal
* Mammary Gland [Ectasia TGLS = 2-8] [Fibroadenoma TGLS = 3-21]		Ectasia Fibroadenoma	Mild
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 299

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 7.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65322

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Bone Marrow
- * Heart
- * Intestine Small, Duodenum
- * Kidney
- * Nose
- * Pituitary Gland
- * Stomach, Forestomach
- * Trachea

- * Adrenal Medulla
- * Brain
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lung
- * Ovary
- * Salivary Glands
- * Stomach, Glandular
- * Urinary Bladder

- * Blood Vessel
- * Clitoral Gland
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Lymph Node, Mandibular
- * Pancreas
- * Skin
- * Thymus
- * Uterus

- * Bone
- * Esophagus
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Lymph Node, Mesenteric
- * Parathyroid Gland
- * Spleen
- * Thyroid Gland

OBSERVATIONS

- * Liver
 - [Basophilic Focus TGLS = 4-6]
- * Mammary Gland
 - [Ectasia TGLS = 2-8]
 - [Fibroadenoma TGLS = 3-21]

Bile Duct

- Basophilic Focus
- Hyperplasia
- Ectasia
- Fibroadenoma

- Minimal
- Minimal
- Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 300

TRT#: 4

SEX: Female

DAY ON TEST: 646

DOSE: 7.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-63680

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Brain		Atrophy	Focal, Moderate
[Atrophy TGLS = 4-1]			
* Kidney		Nephropathy	Minimal
* Mammary Gland		Ectasia	Mild
		Hyperplasia	Mild
[Ectasia TGLS = 1-8]			
[Hyperplasia TGLS = 1-8]			
Mesentery		Necrosis	Fatty, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Stomach, Forestomach		Inflammation	Chronic, Mild
* Uterus	Endometrium	Polyp Stromal	

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 301	TRT#: 6 DOSE: 25 MG/KG	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 674 HISTO: 93-65030
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Liver		Basophilic Focus Infiltration Cellular	Mild Mixed Cell, Mild
[Basophilic Focus TGLS = 1-21]			
Lymph Node	Mediastinal	Pigmentation	Moderate
[Pigmentation TGLS = 2-3-1]			
* Pituitary Gland		Angiectasis	Minimal

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 302

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65222

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|--|--------|------------------------|------------------|
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | Mild |
| | | Hepatocellular Adenoma | |
| | | Leukemia Mononuclear | |
| | | | |
| | | | |
| [Hepatocellular Adenoma TGLS = 4-21] | | | |
| [Leukemia Mononuclear TGLS = 3-6] | | | |
| * Mammary Gland | | Ectasia | Mild |
| | | | |
| [Ectasia TGLS = 1-8] | | | |
| Mesentery | Artery | Inflammation | Chronic, Minimal |
| * Spleen | | Leukemia Mononuclear | |
| | | | |
| [Leukemia Mononuclear TGLS = 2-6] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 303

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65223

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

INSUFFICIENT TISSUE

* Pancreas

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-21]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Ectasia	Moderate
[Ectasia TGLS = 2-8]			
Mesentery		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-1]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Thymus		Leukemia Mononuclear	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 304

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65224

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Mild
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 305

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65225

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

Eye	Sclera	Metaplasia	Osseous, Focal, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Minimal
		Infiltration Cellular	Mixed Cell, Mild
* Lymph Node, Mandibular		Hemorrhage	Minimal
[Hemorrhage TGLS = 4-8]			
* Mammary Gland		Ectasia	Mild
		Fibroadenoma	
Note: A well-defined part of the fibroadenoma has only scant fibrous stroma, as in a simple adenoma.			
[Ectasia TGLS = 2-8]			
[Fibroadenoma TGLS = 3-21]			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland		Angiectasis	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
	Endometrium	Polyp Stromal	
[Polyp Stromal TGLS = 5-23]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 306

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65226

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Kidney		Cyst	Marked
		Nephropathy	Mild
[Cyst TGLS = 4-5-1]			
* Liver		Basophilic Focus	Minimal
		Mixed Cell Focus	Mild
[Mixed Cell Focus TGLS = 5-22]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Uterus		Hydrometra	Mild
	Endometrium	Hyperplasia	Cystic, Minimal
	Endometrium	Polyp Stromal	
[Hydrometra TGLS = 2-7]			
[Polyp Stromal TGLS = 3-7-1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 307

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65227

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Pituitary Gland

OBSERVATIONS

* Clitoral Gland [Degeneration TGLS = 1-8]	Degeneration	Cystic, Moderate
* Kidney	Nephropathy	Mild
* Liver [Hepatodiaphragmatic Nodule TGLS = 5-22]	Basophilic Focus Hepatodiaphragmatic Nodule	Minimal Mild
* Mammary Gland [Fibroadenoma TGLS = 3-21]	Fibroadenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 308

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65228

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Minimal
* Ovary			
Note: One ovary is missing.			
* Uterus	Endometrium	Polyp Stromal	
	Endometrium	Sarcoma Stromal	
[Polyp Stromal TGLS = 3-7]			
[Sarcoma Stromal TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 309

TRT#: 6

SEX: Female

DAY ON TEST: 663

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 93-65031

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	Peripheral Nerve	* Salivary Glands
* Skin	Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-6]			
* Lung		Hemorrhage	Mild
[Hemorrhage TGLS = 11-2, 11-2-1]			
Lymph Node	Pancreatic	Ectasia	Moderate
	Pancreatic	Leukemia Mononuclear	
[Ectasia TGLS = 5-7-2]			
[Leukemia Mononuclear TGLS = 5-7-2]			
* Mammary Gland		Hyperplasia	Minimal
[Hyperplasia TGLS = 1-8]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 2-7-1]			
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
		Cytoplasmic Alteration	Focal, Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Leukemia Mononuclear	
[Hematopoietic Cell Proliferation TGLS = 4-6, 7-21]			
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
[Hyperplasia TGLS = 3-7]			

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 310

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65229

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Kidney	Nephropathy	Minimal
* Liver	Basophilic Focus	Mild
	Leukemia Mononuclear	
[Basophilic Focus TGLS = 2-21]		
* Spleen	Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 311

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65230

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone [Hyperostosis TGLS = 3-21]		Hyperostosis	Minimal
* Brain [Atrophy TGLS = 4-1-1]		Atrophy	Focal, Mild
* Kidney		Nephropathy	Minimal
* Liver [Basophilic Focus TGLS = 2-6]		Basophilic Focus	Minimal
* Mammary Gland [Ectasia TGLS = 1-8]		Ectasia	Moderate
* Pituitary Gland [Adenoma TGLS = 5-1]	Pars Distalis	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 312

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65231

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Minimal
[Basophilic Focus TGLS = 2-6]			
* Lymph Node, Mandibular		Hemorrhage	Mild
[Hemorrhage TGLS = 1-8]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 4-21]			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 313

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65232

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	Ear	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Minimal
* Intestine Large, Colon		Parasite Metazoan	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Minimal
* Pancreas	Acinus	Atrophy	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 314

TRT#: 6

SEX: Female

DAY ON TEST: 671

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 93-65032

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Inflammation	Chronic, Moderate
[Inflammation TGLS = 1-21]			
* Kidney		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Ectasia	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6-1]			

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 315

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65233

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Esophagus | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Nose | * Ovary | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|---|---------------|---|--------------------------|
| * Brain
[Atrophy TGLS = 4-1-1] | | Atrophy | Focal, Minimal |
| * Clitoral Gland
[Degeneration TGLS = 1-8-1] | | Degeneration | Cystic, Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver
[Mixed Cell Focus TGLS = 2-6] | | Infiltration Cellular
Mixed Cell Focus | Mixed Cell, Mild
Mild |
| * Mammary Gland | | Ectasia | Mild |
| * Pancreas | Acinus | Atrophy | Focal, Minimal |
| * Pituitary Gland
[Adenoma TGLS = 3-1] | Pars Distalis | Adenoma | |
| * Thyroid Gland | C Cell | Adenoma | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 316

TRT#: 6

SEX: Female

DAY ON TEST: 497

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-61447

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Liver | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | | | |

OBSERVATIONS

- | | | | |
|--------------------------------|-------------|----------------------------------|------------------|
| * Kidney | | Nephropathy | Minimal |
| Mesentery | Artery | Inflammation | Chronic, Minimal |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |
| * Urinary Bladder | | Leiomyosarcoma | |
| [Leiomyosarcoma TGLS = 1-21] | | | |
| * Uterus | Endometrium | Polyp Stromal | |

PRIMARY CAUSE OF DEATH

- Urinary Bladder Leiomyosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 317

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65234

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Mild
		Hepatodiaphragmatic Nodule	Moderate
	[Basophilic Focus TGLS = 4-6]		
	[Hepatodiaphragmatic Nodule TGLS = 5-24]		
* Lung	Alveolar Epith	Hyperplasia	Mild
Lymph Node	Pancreatic	Pigmentation	Moderate
	[Pigmentation TGLS = 3-23]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLS = 2-22]		
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Skin	Subcut Tiss	Fibrous Histiocytoma	
	[Fibrous Histiocytoma TGLS = 1-21]		
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 318

TRT#: 6

SEX: Female

DAY ON TEST: 661

DOSE: 25 MG/KG

DISP: Natural Death

HISTO: 93-65033

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Brain [Atrophy TGLS = 1-1-1]		Atrophy	Focal, Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Minimal
Lymph Node	Mediastinal	Hemorrhage	Moderate
* Mammary Gland		Ectasia	Mild
* Pituitary Gland [Adenoma TGLS = 2-21]	Pars Distalis	Adenoma	
* Stomach, Forestomach [Hyperplasia TGLS = 3-22]	Epithelium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 319

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65235

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Mammary Gland		Ectasia	Minimal
		Fibroadenoma	
[Ectasia TGLS = 1-8]			
[Fibroadenoma TGLS = 2-21]			
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 320

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65236

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Mild
[Basophilic Focus TGLS = 3-6]			
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Uterus	Endometrium	Polyp Stromal	
[Polyp Stromal TGLS = 2-7-1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 321

TRT#: 6

SEX: Female

DAY ON TEST: 719

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 93-65237

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Nose	* Ovary
* Parathyroid Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Mild
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Degeneration	Cystic, Mild
[Degeneration TGLS = 11-8-1]			
* Kidney		Leukemia Mononuclear	
* Liver		Hepatodiaphragmatic Nodule	Moderate
[Hepatodiaphragmatic Nodule TGLS = 6-22]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-3-1]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-5]			
* Mammary Gland		Ectasia	Mild
Mesentery		Leukemia Mononuclear	
	Fat	Necrosis	Mild
[Necrosis TGLS = 3-21]			
* Pancreas		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 10-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 321

TRT#: 6

SEX: Female

DAY ON TEST: 719

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 93-65237

ORGAN AND ACCOUNTABLE SITE STATUS

* Salivary Glands

Leukemia Mononuclear

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 1-6]

* Thymus

Leukemia Mononuclear

* Thyroid Gland

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 322

TRT#: 6

SEX: Female

DAY ON TEST: 642

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-63673

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Minimal
* Kidney	Pelvis, Transit Epithe Pelvis	Hyperplasia Mineralization Nephropathy	Minimal Mild Minimal
* Mammary Gland Oral Mucosa [Hemangiosarcoma TGLS = 2-22]		Ectasia Hemangiosarcoma	Moderate
* Pituitary Gland [Cyst TGLS = 4-1]	Pars Distalis	Cyst	Mild
* Salivary Glands [Cyst TGLS = 3-21]	Duct	Cyst	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH - Oral Mucosa Hemangiosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 323

TRT#: 6

SEX: Female

DAY ON TEST: 541

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-62203

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Clitoral Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 1-8]			
* Kidney	Pelvis	Mineralization	Mild
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
		Mineralization	Focal, Mild
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-8]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Ectasia	Mild
Mesentery		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Uterus	Endometrium	Sarcoma Stromal	
[Sarcoma Stromal TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 324

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65238

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Minimal
		Mixed Cell Focus	Minimal
[Basophilic Focus TGLS = 4-21]			
[Mixed Cell Focus TGLS = 4-21]			
* Lymph Node, Mesenteric		Pigmentation	Mild
[Pigmentation TGLS = 3-5]			
* Ovary	Bilateral	Cyst	Moderate
[Cyst TGLS = 1-7, 2-7]			
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Thyroid Gland		Ultimobranchial Cyst	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 325

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65239

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Clitoral Gland	Inflammation	Chronic, Mild
* Liver	Basophilic Focus	Minimal
[Hepatodiaphragmatic Nodule TGLS = 1-21]	Hepatodiaphragmatic Nodule	Moderate
* Mammary Gland	Fibroadenoma	
	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 326

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65240

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

Eye	Sclera	Metaplasia	Osseous, Focal, Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Uterus	Endometrium	Polyp Stromal	
[Polyp Stromal TGLS = 2-7-1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 327	TRT#: 6	SEX: Female	DAY ON TEST: 601
	DOSE: 25 MG/KG	DISP: Natural Death	HISTO: 92-62541

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Lung		Congestion	Mild
	Interstitialium	Edema	Moderate

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 328

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65241

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Mild
[Basophilic Focus TGLS = 3-6]			
* Lung		Hyperplasia	Histiocytic, Minimal
* Pituitary Gland	Pars Distalis	Cyst	Moderate
[Cyst TGLS = 2-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 329

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65242

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Minimal
		Mixed Cell Focus	Minimal
	[Basophilic Focus TGLS = 5-6]		
	[Mixed Cell Focus TGLS = 5-6]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 3-22]		
Mesentery	Vein	Inflammation	Chronic, Minimal
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Marked
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLS = 1-21]		
* Uterus	Endometrium	Polyp Stromal	Multiple
	[Polyp Stromal TGLS = 4-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 330

TRT#: 6

SEX: Female

DAY ON TEST: 649

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 93-65034

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Minimal
* Clitoral Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 2-8]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Minimal
[Basophilic Focus TGLS = 5-6]			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Skin		Inflammation	Chronic, Focal, Minimal
[Inflammation TGLS = 1-21-1]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Uterus	Endometrium	Sarcoma Stromal	
[Sarcoma Stromal TGLS = 3-22]			

PRIMARY CAUSE OF DEATH

- Uterus Endometrium Sarcoma Stromal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 331

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65243

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
* Lymph Node, Mesenteric [Hemorrhage TGLS = 1-5]		Hemorrhage	Moderate
* Nose Note: Nasal exudate contains fungi.		Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 332

TRT#: 6

SEX: Female

DAY ON TEST: 551

DOSE: 25 MG/KG

DISP: Natural Death

HISTO: 92-62204

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Brain [Atrophy TGLS = 2-1-1]		Atrophy	Focal, Mild
* Kidney		Nephropathy	Minimal
* Mammary Gland		Ectasia	Minimal
* Pituitary Gland [Adenoma TGLS = 1-1-1]	Pars Distalis	Adenoma	
* Skin [Ulcer TGLS = 3-21]		Inflammation Ulcer	Chronic, Focal, Minimal Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 333

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65244

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone		Hyperostosis	Mild
[Hyperostosis TGLS = 3-21]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1-1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 334

TRT#: 6

SEX: Female

DAY ON TEST: 670

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 93-65035

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-21]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Mild
[Basophilic Focus TGLS = 3-6]		Infiltration Cellular	Mixed Cell, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-22]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate

PRIMARY CAUSE OF DEATH - Clitoral Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 335

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65245

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Histiocytic, Focal, Mild
* Intestine Large, Colon		Parasite Metazoan	Minimal
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Mild
		Basophilic Focus	Mild
[Basophilic Focus TGLS = 3-6-1]			
* Lymph Node, Mandibular		Ectasia	Moderate
		Hyperplasia	Lymphoid, Moderate
[Ectasia TGLS = 2-8]			
[Hyperplasia TGLS = 2-8]			
* Mammary Gland		Ectasia	Mild
* Pancreas	Acinus	Hyperplasia	Focal, Moderate
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Cytoplasmic Alteration	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 336

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65246

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	Minimal
		Mixed Cell Focus	Minimal
[Hepatodiaphragmatic Nodule TGLS = 1-6-1]			
* Mammary Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1-1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 337

TRT#: 6

SEX: Female

DAY ON TEST: 617

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-63674

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Brain [Atrophy TGLS = 5-1-1]		Atrophy	Focal, Minimal
* Kidney		Nephropathy	Minimal
* Liver [Angiectasis TGLS = 3-22]		Angiectasis	Marked
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland [Ectasia TGLS = 2-8] [Fibroadenoma TGLS = 1-21]		Ectasia Fibroadenoma	Moderate
* Pituitary Gland [Adenoma TGLS = 4-1]	Pars Distalis	Adenoma	

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 338

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65247

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Clitoral Gland		Degeneration Hyperplasia	Cystic, Mild Mild
[Degeneration TGLS = 4-8]			
[Hyperplasia TGLS = 4-8]			
* Liver		Basophilic Focus Hyperplasia Hyperplasia	Mild Lymphoid, Focal, Mild Histiocytic, Focal, Mild
* Mammary Gland		Ectasia	Mild
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 339

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65248

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Intestine Large, Rectum	Parasite Metazoan	
* Kidney	Nephropathy	Minimal
* Liver	Basophilic Focus	Minimal
	Hepatodiaphragmatic Nodule	Mild
	Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 3-22]		
* Mammary Gland	Fibroadenoma	
	Hyperplasia	Mild
[Fibroadenoma TGLS = 2-21]		
[Hyperplasia TGLS = 1-8]		
* Spleen	Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 340

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65249

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Kidney	Nephropathy	Minimal
* Liver	Basophilic Focus	Mild

[Basophilic Focus TGLS = 1-6]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 341

TRT#: 6

SEX: Female

DAY ON TEST: 520

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-61694

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hematopoietic Cell Proliferation	Mild
* Kidney		Nephropathy	Mild
* Liver	Centrilobular	Degeneration	Mild
		Sarcoma	Metastatic (Mesentery)
[Sarcoma TGLS = 7-23]			
Lymph Node	Mediastinal	Sarcoma	Metastatic (Mesentery)
[Sarcoma TGLS = 11-3-1]			
* Mammary Gland		Ectasia	Minimal
Mesentery		Sarcoma	
[Sarcoma TGLS = 4-21, 10-24]			
* Pancreas	Acinus	Sarcoma	Metastatic (Mesentery)
[Sarcoma TGLS = 8-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 12-1]			
Skeletal Muscle		Sarcoma	Metastatic (Mesentery)
[Sarcoma TGLS = 6-22]			
* Spleen		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH

- Pancreas Acinus Sarcoma Mesentery

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 342

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65250

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Mild
[Basophilic Focus TGLS = 2-6]			
* Mammary Gland		Ectasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Hydrometra	Mild
	Endometrium	Hyperplasia	Cystic, Mild
	Endometrium	Polyp Stromal	
[Polyp Stromal TGLS = 1-7-1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 343

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65251

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

Eye	Sclera	Metaplasia	Osseous, Focal, Mild
* Kidney		Lipoma	
		Nephropathy	Minimal
[Lipoma TGLS = 5-21]			
* Liver		Basophilic Focus	Mild
[Basophilic Focus TGLS = 4-6]			
* Lymph Node, Mandibular		Hemorrhage	Mild
[Hemorrhage TGLS = 3-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 344

TRT#: 6

SEX: Female

DAY ON TEST: 531

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-61695

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Uterus

OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Hyperplasia Inflammation	Mild Chronic, Moderate
[Inflammation TGLS = 5-5]			
* Mammary Gland		Ectasia	Mild
[Ectasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
[Hyperplasia TGLS = 6-1]			
* Spleen		Pigmentation	Moderate
Note: TGLs = 4-6 = no corresponding lesion.			
* Urinary Bladder	Transit Epithe	Calculus Gross Observation Hyperplasia	Marked Marked
Note: Calculus had excess artifact on slide 21 at time of microscopic examination.			
[Calculus Gross Observation TGLS = 2-21]			
[Hyperplasia TGLS = 3-8]			

PRIMARY CAUSE OF DEATH

- Urinary Bladder Calculus Gross Observation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 345

TRT#: 6

SEX: Female

DAY ON TEST: 498

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-61448

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Clitoral Gland [Degeneration TGLS = 4-8]		Degeneration	Cystic, Moderate
* Kidney		Nephropathy	Minimal
* Mammary Gland [Ectasia TGLS = 2-8] [Fibroadenoma TGLS = 1-21, 3-22]		Ectasia Fibroadenoma	Moderate Multiple
* Pituitary Gland [Adenoma TGLS = 6-1]	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus [Polyp Stromal TGLS = 5-7]	Endometrium	Polyp Stromal	

PRIMARY CAUSE OF DEATH - Uterus Endometrium Polyp Stromal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 346

TRT#: 6

SEX: Female

DAY ON TEST: 723

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 93-65252

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

INSUFFICIENT TISSUE

* Thymus

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia Infiltration Cellular	Minimal Mixed Cell, Mild
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Mammary Gland		Ectasia	Mild
[Ectasia TGLS = 1-8]			
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Cyst	Mild
* Spleen		Pigmentation	Moderate
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 4-3]			
Tongue		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 5-21]			
* Uterus	Endometrium	Polyp Stromal	
[Polyp Stromal TGLS = 3-7-1]			

PRIMARY CAUSE OF DEATH

- Tongue Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 347

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65253

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Brain		Atrophy	Focal, Moderate
[Atrophy TGLS = 4-1-1]			
* Liver		Basophilic Focus	Minimal
* Mammary Gland		Ectasia	Mild
[Ectasia TGLS = 1-8]		Fibroadenoma	
[Fibroadenoma TGLS = 3-22]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1-1]			
* Skin		Basal Cell Adenoma	
[Basal Cell Adenoma TGLS = 2-21]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 348

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65254

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | |
|---------------------------------|------------------|------|
| * Kidney | Cyst | Mild |
| [Cyst TGLS = 1-21] | Nephropathy | Mild |
| * Liver | Basophilic Focus | Mild |
| [Basophilic Focus TGLS = 2-6] | | |
| * Mammary Gland | Ectasia | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 349

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65255

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Esophagus | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|--|---------------|--|--------------|
| * Brain
[Atrophy TGLS = 5-1-1] | | Atrophy | Focal, Mild |
| * Clitoral Gland
[Degeneration TGLS = 1-22] | | Degeneration | Cystic, Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver
[Basophilic Focus TGLS = 3-6]
[Hepatodiaphragmatic Nodule TGLS = 4-21] | | Basophilic Focus
Hepatodiaphragmatic Nodule | Mild
Mild |
| * Pituitary Gland
[Adenoma TGLS = 6-1-1] | Pars Distalis | Adenoma | |
| * Uterus
[Polyp Stromal TGLS = 2-7-1] | Endometrium | Polyp Stromal | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 350

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 93-65256

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
[Basophilic Focus TGLS = 2-6]			
* Mammary Gland		Ectasia	Mild
[Ectasia TGLS = 1-8]			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland		Angiectasis	Mild
* Thyroid Gland	Follicle	Cyst	Moderate
	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 351

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64895

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Mild
		Mixed Cell Focus	Mild
[Basophilic Focus TGLS = 3-6]			
[Mixed Cell Focus TGLS = 3-6]			
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
[Hyperplasia TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 352

TRT#: 8

SEX: Female

DAY ON TEST: 614

DOSE: 75 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-63668

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Bone Marrow
- * Heart
- * Intestine Small, Duodenum
- * Liver
- * Nose
- * Pituitary Gland
- * Stomach, Forestomach
- * Urinary Bladder

- * Adrenal Medulla
- * Brain
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lung
- * Ovary
- * Salivary Glands
- * Stomach, Glandular

- * Blood Vessel
- * Clitoral Gland
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Lymph Node, Mandibular
- * Pancreas
- * Skin
- * Thymus

- * Bone
- * Esophagus
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Lymph Node, Mesenteric
- * Parathyroid Gland
- * Spleen
- * Trachea

OBSERVATIONS

- * Kidney
- * Mammary Gland
- * Thyroid Gland
- * Uterus

- C Cell
- Endometrium

- Nephropathy
- Ectasia
- Hyperplasia
- Polyp Stromal

- Minimal
- Mild
- Mild

[Polyp Stromal TGLS = 2-21, 3-7-1]

PRIMARY CAUSE OF DEATH

- Uterus Endometrium Polyp Stromal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 353

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64896

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
Eye		Inflammation	Chronic, Marked
[Inflammation TGLS = 1-21]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Mild
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 5-6]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 3-7]			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Cytoplasmic Alteration	Focal, Minimal
* Spleen		Leukemia Mononuclear	
* Thymus		Cyst	Mild
* Uterus		Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
[Hydrometra TGLS = 2-7]			
[Hyperplasia TGLS = 4-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 354

TRT#: 8

SEX: Female

DAY ON TEST: 421

DOSE: 75 MG/KG

DISP: Natural Death

HISTO: 92-61178

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Adrenal Medulla

OBSERVATIONS

* Adren Medulla

Note: Medullas of both adrenal glands are missing.

* Bone Marrow

Leukemia Mononuclear

* Kidney

Leukemia Mononuclear

Nephropathy

Minimal

Hyperplasia

Minimal

* Liver

Bile Duct

Leukemia Mononuclear

* Lung

Leukemia Mononuclear

Lymph Node

Iliac

Leukemia Mononuclear

Inguinal

Leukemia Mononuclear

Mediastinal

Leukemia Mononuclear

Pancreatic

Leukemia Mononuclear

Leukemia Mononuclear

Note: TGL 2 is axillary lymph node.

[Leukemia Mononuclear TGLS = 2-21]

[Leukemia Mononuclear TGLS = 9-3-1]

[Leukemia Mononuclear TGLS = 8-23]

[Leukemia Mononuclear TGLS = 7-7]

* Lymph Node, Mandibular

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 1-8]

* Lymph Node, Mesenteric

Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 354	TRT#: 8 DOSE: 75 MG/KG	SEX: Female DISP: Natural Death	DAY ON TEST: 421 HISTO: 92-61178
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ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery [Leukemia Mononuclear TGLS = 5-22]		Leukemia Mononuclear	
* Ovary		Leukemia Mononuclear	
* Pituitary Gland [Hyperplasia TGLS = 11-1]	Pars Distalis	Hyperplasia	Focal, Moderate
* Skin [Leukemia Mononuclear TGLS = 4-8]	Subcut Tiss	Leukemia Mononuclear	
* Spleen [Leukemia Mononuclear TGLS = 6-6]		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland [Leukemia Mononuclear TGLS = 10-3]		Leukemia Mononuclear	
* Uterus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH	- Liver	Leukemia Mononuclear
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 355

TRT#: 8

SEX: Female

DAY ON TEST: 695

DOSE: 75 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-64897

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	Ear	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Moderate
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 5-24,7-26]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-3-1]			
[Leukemia Mononuclear TGLS = 4-23]			
* Mammary Gland		Ectasia	Minimal
		Fibroadenoma	
[Fibroadenoma TGLS = 2-21]			
* Pituitary Gland	Pars Distalis	Cytoplasmic Alteration	Focal, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-22]			
* Thymus		Cyst	Mild
		Leukemia Mononuclear	
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 356

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64898

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | Ear |
| * Esophagus | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|--|---------------|----------------------------|----------|
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | Moderate |
| | | Hepatodiaphragmatic Nodule | Mild |
| | | Leukemia Mononuclear | |
| [Hepatodiaphragmatic Nodule TGLS = 2-21] | | | |
| [Leukemia Mononuclear TGLS = 1-6] | | | |
| * Pituitary Gland | Pars Distalis | Cyst | Mild |
| * Uterus | Endometrium | Polyp Stromal | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 357

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64899

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Brain		Atrophy	Focal, Mild
[Atrophy TGLS = 6-1-1]			
* Kidney		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Minimal
[Hyperplasia TGLS = 7-2-1]			
* Mammary Gland		Ectasia	Mild
		Fibroadenoma	
		Hyperplasia	Mild
[Ectasia TGLS = 1-8]			
[Fibroadenoma TGLS = 2-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 358

TRT#: 8

SEX: Female

DAY ON TEST: 733

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64900

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Brain		Atrophy	Focal, Mild
[Atrophy TGLS = 4-1-1]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Minimal
		Hepatodiaphragmatic Nodule	Minimal
Note: TGL #2 and #5 actually concern one single lesion, an hepatodiaphragmatic nodule (HDN).			
[Hepatodiaphragmatic Nodule TGLS = 2-6, 5-22]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Necrosis	Moderate
[Necrosis TGLS = 3-1-1]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 359

TRT#: 8

SEX: Female

DAY ON TEST: 733

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64901

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Clitoral Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 3-8]			
Eye		Cataract	Minimal
[Cataract TGLS = 1-21]	Retina	Degeneration	Moderate
[Degeneration TGLS = 1-21]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Moderate
[Basophilic Focus TGLS = 5-6]		Clear Cell Focus	Minimal
[Clear Cell Focus TGLS = 5-6]			
* Mammary Gland		Ectasia	Mild
[Ectasia TGLS = 4-8]			
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
[Angiectasis TGLS = 6-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 360

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64902

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | | |
|-----------------------------|-------------|-----------------------|---------------------|
| * Kidney | | Nephropathy | Mild |
| * Liver | | Infiltration Cellular | Mixed Cell, Minimal |
| Lymph Node | Mediastinal | Hemorrhage | Moderate |
| [Hemorrhage TGLS = 3-3-1] | | | |
| * Mammary Gland | | Ectasia | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 361

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64903

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

Eye		Cataract	Minimal
	Cornea	Inflammation	Chronic, Moderate
[Cataract TGLS = 2-21]			
[Inflammation TGLS = 2-21]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Mild
[Basophilic Focus TGLS = 3-6]			
Lymph Node	Mediastinal	Pigmentation	Mild
[Pigmentation TGLS = 4-3-1]			
* Mammary Gland		Ectasia	Minimal
* Thyroid Gland	Follicle	Cyst	Mild
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 362

TRT#: 8

SEX: Female

DAY ON TEST: 336

DOSE: 75 MG/KG

DISP: Dosing Accident

HISTO: 91-60147

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Liver | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | |
|---------------------------|------------|----------|
| * Adrenal Cortex | Hemorrhage | Moderate |
| * Lung | Congestion | Mild |
| [Congestion TGLS = 2-2] | | |
| * Lymph Node, Mandibular | Congestion | Moderate |
| [Congestion TGLS = 1-8] | | |
| * Thymus | Hemorrhage | Mild |
| [Hemorrhage TGLS = 3-3] | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 363

TRT#: 8

SEX: Female

DAY ON TEST: 695

DOSE: 75 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-64904

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	Ear	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Parathyroid Gland	Peripheral Nerve
* Pituitary Gland	* Salivary Glands	* Skin	Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Histiocytic, Focal, Mild
Eye	Cornea	Inflammation	Chronic, Moderate
	Cornea	Pigmentation	Mild
	[Inflammation TGLS = 1-21]		
	[Pigmentation TGLS = 1-21]		
* Liver		Basophilic Focus	Minimal
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Mild
	[Hepatodiaphragmatic Nodule TGLS = 4-6]	Leukemia Mononuclear	
* Nose		Inflammation	Suppurative, Mild
Note: Nasal exudate contains fungi.			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6]		

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 364

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64905

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Medulla
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Lymph Node, Mesenteric
- * Parathyroid Gland
- * Stomach, Forestomach
- * Trachea

- * Blood Vessel
- Eye
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Nose
- * Salivary Glands
- * Stomach, Glandular
- * Urinary Bladder

- * Bone
- * Heart
- * Intestine Small, Duodenum
- * Lung
- * Ovary
- * Skin
- * Thymus
- * Uterus

- * Brain
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lymph Node, Mandibular
- * Pancreas
- * Spleen
- * Thyroid Gland

OBSERVATIONS

- * Adrenal Cortex
- * Bone Marrow
- * Clitoral Gland

- * Kidney
- * Liver

- Cytoplasmic Alteration
- Hyperplasia
- Hyperplasia
- Inflammation
- Nephropathy
- Basophilic Focus
- Hyperplasia
- Hyperplasia
- Mixed Cell Focus
- Ectasia
- Adenoma

- Focal, Mild
- Histiocytic, Focal, Mild
- Minimal
- Chronic, Mild
- Minimal
- Mild
- Lymphoid, Focal, Mild
- Histiocytic, Focal, Mild
- Mild
- Mild

- * Mammary Gland
- * Pituitary Gland

Pars Distalis

[Adenoma TGLS = 2-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 365

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64906

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Minimal
[Basophilic Focus TGLS = 1-6]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Minimal
* Uterus	Endometrium	Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 366

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64907

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Mammary Gland		Ectasia	Mild
[Ectasia TGLS = 2-8]			
* Uterus	Endometrium	Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 367

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64908

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Histiocytic, Focal, Minimal
* Clitoral Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 1-21]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Mild
[Basophilic Focus TGLS = 3-22]	Bile Duct	Hyperplasia	Mild
* Lung	Alveolar Epith	Hyperplasia	Minimal
[Hyperplasia TGLS = 4-2-1]			
* Lymph Node, Mandibular		Ectasia	Mild
* Mammary Gland		Ectasia	Mild
[Ectasia TGLS = 2-8]			
* Ovary		Cyst	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 368

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64909

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	Skeletal Muscle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney		Inflammation	Suppurative, Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Mild
		Mixed Cell Focus	Minimal
[Basophilic Focus TGLS = 3-6]			
* Pituitary Gland		Angiectasis	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
[Hyperplasia TGLS = 2-22]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 369

TRT#: 8

SEX: Female

DAY ON TEST: 244

DOSE: 75 MG/KG

DISP: Dosing Accident

HISTO: 91-59864

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 370

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64910

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|--------------------------|---------------|-------------------|--------------|
| * Intestine Large, Colon | | Parasite Metazoan | |
| * Kidney | | Nephropathy | Mild |
| * Liver | Bile Duct | Hyperplasia | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| * Thyroid Gland | C Cell | Adenoma | |
| * Uterus | | Hydrometra | Mild |
| | Endometrium | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 371

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64911

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Brain [Atrophy TGLS = 4-1-1]		Atrophy	Focal, Moderate
* Intestine Large, Colon [Polyp Adenomatous TGLS = 2-21]		Polyp Adenomatous	
* Liver [Infiltration Cellular TGLS = 1-6]		Infiltration Cellular	Mixed Cell, Minimal
* Mammary Gland		Ectasia	Mild
* Pituitary Gland [Angiectasis TGLS = 3-1]	Pars Distalis	Angiectasis	Marked
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 372

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64912

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone Marrow	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Mild
* Bone		Hyperostosis	Mild
* Brain		Atrophy	Focal, Mild
[Atrophy TGLS = 5-1-1]			
* Clitoral Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 2-8]			
* Kidney		Nephropathy	Mild
* Liver		Hepatodiaphragmatic Nodule	Mild
[Hepatodiaphragmatic Nodule TGLS = 4-21]		Infiltration Cellular	Mixed Cell, Mild
[Infiltration Cellular TGLS = 3-6]			
* Mammary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 373

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64913

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Marked
* Kidney		Nephropathy	Minimal
* Liver		Hyperplasia	Histiocytic, Focal, Minimal
		Hyperplasia	Lymphoid, Focal, Minimal
* Pancreas		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 374

TRT#: 8

SEX: Female

DAY ON TEST: 733

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64914

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Minimal
* Bone Marrow		Hyperplasia	Histiocytic, Focal, Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Mild
		Hyperplasia	Lymphoid, Focal, Mild
		Mixed Cell Focus	Mild
[Basophilic Focus TGLS = 2-6]			
[Mixed Cell Focus TGLS = 2-6]			
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 375

TRT#: 8

SEX: Female

DAY ON TEST: 691

DOSE: 75 MG/KG

DISP: Natural Death

HISTO: 92-64915

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Brain [Atrophy TGLS = 3-1-1]		Atrophy	Focal, Mild
* Kidney		Nephropathy	Minimal
* Liver [Basophilic Focus TGLS = 1-6]		Basophilic Focus	Mild
* Pituitary Gland [Angiectasis TGLS = 2-1-1]	Pars Distalis	Angiectasis	Marked

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Angiectasis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 376

TRT#: 8

SEX: Female

DAY ON TEST: 733

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64916

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Brain		Atrophy	Focal, Moderate
[Atrophy TGLS = 6-1-1]			
* Kidney		Fibrosis	Focal, Mild
[Fibrosis TGLS = 3-22]		Nephropathy	Mild
* Liver		Basophilic Focus	Mild
[Basophilic Focus TGLS = 4-6]			
* Mammary Gland		Ectasia	Moderate
[Ectasia TGLS = 2-8]		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
Note: Adenoma is acidophil type.			
[Adenoma TGLS = 5-1-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 377

TRT#: 8

SEX: Female

DAY ON TEST: 706

DOSE: 75 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-64917

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Pituitary Gland

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Ectasia	Mild
		Fibroadenoma	
[Fibroadenoma TGLS = 2-21]			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Thymus		Leukemia Mononuclear	
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 378

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64918

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Minimal
* Brain		Atrophy	Focal, Minimal
[Atrophy TGLS = 5-1-1]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Minimal
[Basophilic Focus TGLS = 2-6]			
* Mammary Gland		Ectasia	Mild
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1-1]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
	Cervix	Hypertrophy	Mild
[Hypertrophy TGLS = 1-7-1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 379

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64919

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Esophagus | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|----------------------------|-------------|------------------------|----------------|
| * Adrenal Cortex | | Cytoplasmic Alteration | Focal, Minimal |
| * Clitoral Gland | | Adenoma | |
| [Adenoma TGLS = 1-21] | | | |
| * Intestine Large, Colon | | Parasite Metazoan | |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | Minimal |
| * Thyroid Gland | C Cell | Adenoma | |
| * Uterus | Endometrium | Leiomyoma | |
| [Leiomyoma TGLS = 2-7-1] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 380

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64920

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Intestine Large, Cecum		Parasite Metazoan	
* Islets, Pancreatic		Adenoma	
Note: Only one nodule observed microscopically in pancreas or islets of pancreas. [Adenoma TGLS = 2-22]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Mild
[Basophilic Focus TGLS = 3-6]			
* Lymph Node, Mesenteric		Pigmentation	Mild
[Pigmentation TGLS = 4-5]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Cytoplasmic Alteration	Focal, Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 381

TRT#: 8

SEX: Female

DAY ON TEST: 642

DOSE: 75 MG/KG

DISP: Natural Death

HISTO: 92-63669

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Lung		Congestion	Moderate
* Spleen		Leukemia Mononuclear	
* Thymus		Thymoma Benign	
* Uterus	Endometrium	Polyp Stromal	
[Polyp Stromal TGLS = 1-7-1]			

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 382	TRT#: 8	SEX: Female	DAY ON TEST: 735
	DOSE: 75 MG/KG	DISP: Terminal Sacrifice	HISTO: 92-64921

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Mild
		Hepatodiaphragmatic Nodule	Mild
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 2-6]			
[Hepatodiaphragmatic Nodule TGLS = 1-6, 1-21]			
Lymph Node	Mediastinal	Pigmentation	Mild
[Pigmentation TGLS = 3-3]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 383

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64922

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Minimal
		Mixed Cell Focus	Minimal
	[Basophilic Focus TGLS = 2-6]		
	[Mixed Cell Focus TGLS = 2-6]		
* Mammary Gland		Ectasia	Mild
		Fibroadenoma	
	[Fibroadenoma TGLS = 1-21]		
* Pancreas	Acinus	Adenoma	
* Pituitary Gland	Pars Distalis	Cyst	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 384

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64923

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Mild
		Hepatodiaphragmatic Nodule	Moderate
[Hepatodiaphragmatic Nodule TGLS = 4-21]			
* Mammary Gland		Ectasia	Mild
[Ectasia TGLS = 2-8]			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Uterus	Endometrium	Carcinoma	
[Carcinoma TGLS = 3-22]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 385

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64924

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Angiectasis	Mild
* Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Minimal
[Basophilic Focus TGLS = 3-6]			
* Pancreas	Acinus	Adenoma	
[Adenoma TGLS = 2-21]			
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 386

TRT#: 8

SEX: Female

DAY ON TEST: 586

DOSE: 75 MG/KG

DISP: Natural Death

HISTO: 92-62392

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

AUTO PRECLUDES DIAG.

* Kidney

OBSERVATIONS

* Liver		Basophilic Focus	Minimal
[Basophilic Focus TGLS = 3-6, 4-6]			
* Lung		Congestion	Mild
* Mammary Gland		Ectasia	Mild
		Hyperplasia	Mild
[Ectasia TGLS = 1-8]			
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Fibrosis	Focal, Moderate
[Adenoma TGLS = 2-1]			
[Fibrosis TGLS = 2-1]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 387

TRT#: 8

SEX: Female

DAY ON TEST: 244

DOSE: 75 MG/KG

DISP: Dosing Accident

HISTO: 91-59865

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Uterus	Hydrometra	Mild
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 388

TRT#: 8

DOSE: 75 MG/KG

SEX: Female

DISP: Natural Death

DAY ON TEST: 614

HISTO: 92-62538

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-7]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-22]			
Mesentery		Hemorrhage	Moderate
[Hemorrhage TGLS = 8-23]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-23]			
* Spleen		Hemorrhage	Moderate
[Hemorrhage TGLS = 3-21]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-3]			

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 389

TRT#: 8

SEX: Female

DAY ON TEST: 393

DOSE: 75 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-61179

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Bone	Hyperostosis	Moderate
[Hyperostosis TGLS = 5-9-2, 6-23]		
* Mammary Gland	Fibroadenoma	
[Fibroadenoma TGLS = 1-21]		
Mesentery	Accessory Spleen	Mild
[Accessory Spleen TGLS = 4-22]		
* Thymus	Hyperplasia	Lymphoid, Moderate

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 390

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64925

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Esophagus	Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Brain		Atrophy	Focal, Mild
[Atrophy TGLS = 9-1-1]			
* Clitoral Gland		Degeneration	Cystic, Moderate
[Degeneration TGLS = 3-21]			
* Liver		Hepatodiaphragmatic Nodule	Mild
[Hepatodiaphragmatic Nodule TGLS = 5-23]		Mixed Cell Focus	Minimal
[Mixed Cell Focus TGLS = 7-6]			
* Mammary Gland		Ectasia	Mild
[Ectasia TGLS = 2-8]		Fibroadenoma	
[Fibroadenoma TGLS = 4-22]			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-1-1]			
* Thyroid Gland	Follicle	Cyst	Mild
* Uterus	Cervix	Hypertrophy	Moderate
[Hypertrophy TGLS = 6-25]	Endometrium	Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 391

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64926

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Kidney	Nephropathy	Minimal
* Liver [Basophilic Focus TGLS = 2-6]	Basophilic Focus	Mild
* Mammary Gland [Hyperplasia TGLS = 1-21]	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Theophylline

CAS Number: 58-55-9

Date Report Requested: 10/18/2014

Time Report Requested: 23:13:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 392

TRT#: 8

SEX: Female

DAY ON TEST: 671

DOSE: 75 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-64927

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|---------------------------------|---------------|------------------|------|
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | Mild |
| [Basophilic Focus TGLS = 2-6] | | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 3-1] | | | |
| * Skin | Subcut Tiss | Fibroma | |
| [Fibroma TGLS = 1-21] | | | |

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 393

TRT#: 8

SEX: Female

DAY ON TEST: 733

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64928

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Lung		Alveolar/Bronchiolar Adenoma	
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Minimal
* Pituitary Gland	Pars Distalis	Cyst	Minimal
	Pars Distalis	Cytoplasmic Alteration	Focal, Mild
	Pars Distalis	Hyperplasia	Focal, Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 394

TRT#: 8

SEX: Female

DAY ON TEST: 733

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64929

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Kidney	Nephropathy	Mild
* Liver	Basophilic Focus	Mild
[Basophilic Focus TGLS = 2-6]		
* Lung	Hyperplasia	Histiocytic, Minimal
* Spleen	Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 395

TRT#: 8

SEX: Female

DAY ON TEST: 660

DOSE: 75 MG/KG

DISP: Natural Death

HISTO: 92-64930

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Mild
[Angiectasis TGLS = 3-6]			
* Lung		Congestion	Mild
* Lymph Node, Mandibular		Congestion	Mild
[Congestion TGLS = 2-8]			
* Mammary Gland		Ectasia	Mild
[Ectasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Thymus		Angiectasis	Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 396

TRT#: 8

SEX: Female

DAY ON TEST: 614

DOSE: 75 MG/KG

DISP: Moribund Sacrifice

HISTO: 92-63670

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Mild
[Basophilic Focus TGLS = 3-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]			
* Nose		Inflammation	Suppurative, Mild
Note: Nasal exudate contains fungi.			

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 397

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64931

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Mild
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 3-6]			
* Mammary Gland		Ectasia	Moderate
[Ectasia TGLS = 2-8]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
[Hyperplasia TGLS = 4-1]			
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 398

TRT#: 8

SEX: Female

DAY ON TEST: 648

DOSE: 75 MG/KG

DISP: Natural Death

HISTO: 92-64932

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Minimal
* Lung		Congestion	Moderate
[Congestion TGLS = 4-2]			
Lymph Node	Mediastinal	Hemorrhage	Marked
[Hemorrhage TGLS = 3-3-1]			
* Mammary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			
Mesentery		Fibroma	
[Fibroma TGLS = 5-21]			
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Polyp Stromal	
[Polyp Stromal TGLS = 2-7-1]			

PRIMARY CAUSE OF DEATH

- Uterus Endometrium Polyp Stromal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 399

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64933

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Intestine Large, Rectum		Parasite Metazoan	Minimal
* Kidney		Nephropathy	Mild
* Liver		Hyperplasia	Lymphoid, Focal, Mild
		Hyperplasia	Histiocytic, Focal, Mild
		Infiltration Cellular	Mixed Cell, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1-8]			
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	Follicular Cel	Carcinoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05067-09
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Theophylline
CAS Number: 58-55-9

Date Report Requested: 10/18/2014
Time Report Requested: 23:13:13
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 400

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 75 MG/KG

DISP: Terminal Sacrifice

HISTO: 92-64934

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	Minimal
		Mixed Cell Focus	Minimal
	[Basophilic Focus TGLS = 3-6]		
	[Mixed Cell Focus TGLS = 3-6]		
* Mammary Gland		Ectasia	Moderate
		Fibroadenoma	
	[Ectasia TGLS = 1-8]		
	[Fibroadenoma TGLS = 2-21]		
Oral Mucosa		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLS = 4-22]		
* Pancreas	Acinus	Atrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 5-1]		

PRIMARY CAUSE OF DEATH

-

**** END OF REPORT ****

* PROTOCOL REQUIRED TISSUE