

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:26
First Dose M/F: NA / NA
Lab: BAT

C Number:	C88035
Lock Date:	11/17/1994
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	10/07/1996

Experiment Number: 88035-05
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Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1	TRT#: 1	SEX: Male	DAY ON TEST: 667
	DOSE: 0.0%	DISP: Moribund Sacrifice	HISTO: 9400001

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Parathyroid Gland	* Skin	* Stomach, Glandular	* Trachea

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-12: Mononuclear Cell Leukemia, Renal]		
	[Leukemia Mononuclear TGLS = 3-13: Mononuclear Cell Leukemia, Mediastinal]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-6: Mononuclear Cell Leukemia]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-4: Mononuclear Cell Leukemia]		
* Mammary Gland		Hyperplasia	Cystic, Minimal
		Leukemia Mononuclear	
Mesentery	Fat	Leukemia Mononuclear	
* Nose		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
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P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
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CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1	TRT#: 1 DOSE: 0.0%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 667 HISTO: 9400001
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Leukemia Mononuclear Cyst Leukemia Mononuclear	Moderate
[Cyst TGLS = 9-11: Cyst, Moderate]			
* Prostate		Leukemia Mononuclear	
* Salivary Glands		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-12: Mononuclear Cell Leukemia]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Testes	Interstit Cell Interstit Cell	Adenoma Hyperplasia	Minimal
[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell]			
[Hyperplasia TGLS = 2-10: Hyperplasia, Interstitial Cell, Minimal]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-13: Mononuclear Cell Leukemia]			
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 8-7: Carcinoma, C Cell]			
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 2	TRT#: 1 DOSE: 0.0%	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 723 HISTO: 9400002
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* 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	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
Blood Vessel		Inflammation	Chronic Active, Moderate
Note: Mesenteric Artery Adjacent To Pancreas & Duodenum.			
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
* Lung	Artery, Vein	Mineralization	Minimal
* Nose		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Skin		Basal Cell Adenoma	
[Basal Cell Adenoma TGLS = 1-12: Adenoma, Basal Cell]			
* Spleen		Fibrosis	Moderate
[Fibrosis TGLS = 3-12: Fibrosis, Moderate]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
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Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 3	TRT#: 1	SEX: Male	DAY ON TEST: 692
	DOSE: 0.0%	DISP: Natural Death	HISTO: 9400003

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Chronic, Mild
	Atrium	Thrombosis	Marked
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Hepatocyte	Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
* Lung	Hepatocyte	Vacuolization Cytoplasmic	Mild
	Alveolar Epith	Hyperplasia	Mild
	Artery, Vein	Mineralization	Minimal
Lymph Node			
Note: TGL#3-12-NCL: Renal Lymph Node Considered To Be Within Normal Limits Histopathologically.			
* Preputial Gland		Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
* Spleen		Fibrosis	Mild
	[Fibrosis TGLS = 4-1]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 3	TRT#: 1	SEX: Male	DAY ON TEST: 692
	DOSE: 0.0%	DISP: Natural Death	HISTO: 9400003

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	- Heart Atrium Thrombosis
CONTRIBUTORY CAUSE OF DEATH	- Adrenal Medulla Bilateral Pheochromocytoma Benign

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 4	TRT#: 1 DOSE: 0.0%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 627 HISTO: 9400004
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Adrenal Medulla		Leukemia Mononuclear	
		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Bone Marrow		Pheochromocytoma Benign	
		Hyperplasia	Marked
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Mild
		Leukemia Mononuclear	
* Kidney		Cyst	Moderate
		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
	[Leukemia Mononuclear TGLS = 4-1: Mononuclear Cell Leukemia]		
* Liver	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-4+5: Mononuclear Cell Leukemia]	Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Leukemia Mononuclear	
	Mediastinal	Mineralization	Minimal
Lymph Node		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6: Mononuclear Cell Leukemia]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 4	TRT#: 1 DOSE: 0.0%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 627 HISTO: 9400004
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ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
[Fibroadenoma TGLS = 1-12]			
* Nose		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic Active, Mild
Note: TGL:1-12: Left Preputial Gland Mass, Observed At Necropsy, Is Subcutaneous Fibroma Histopathologically.			
Note: Only One Preputial Gland Available For Histopathological Examination.			
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-12: Mononuclear Cell Leukemia]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 6-10: Adenoma, Interstitial Cell, Bilateral]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 5	TRT#: 1	SEX: Male	DAY ON TEST: 509
	DOSE: 0.0%	DISP: Moribund Sacrifice	HISTO: 9400005

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 Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* 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

* Heart		Cardiomyopathy	Chronic, Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Chronic, Mild
* Liver	Hepatocyte	Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolar Epith	Hyperplasia	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]		
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 6

TRT#: 1

SEX: Male

DAY ON TEST: 698

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400006

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Epididymis	* Esophagus
* 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	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Brain		Hemorrhage	Moderate
		Leukemia Mononuclear	
	[Hemorrhage TGLS = 7-6: Hemorrhage, Moderate]		
* Heart		Leukemia Mononuclear	
* Kidney		Cyst	Moderate
		Leukemia Mononuclear	
	[Cyst TGLS = 6-1: Cyst, Moderate]		
	[Nephropathy TGLS = 5-1: Nephropathy, Chronic, Mild]		
* Liver	Hepatocyte	Degeneration	Cystic, Minimal
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
	[Hepatodiaphragmatic Nodule TGLS = 8-4: Hepatodiaphragmatic Nodule]		
	[Leukemia Mononuclear TGLS = 4-4+5: Mononuclear Cell Leukemia]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 6	TRT#: 1 DOSE: 0.0%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 698 HISTO: 9400006
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ORGAN AND ACCOUNTABLE SITE STATUS

	Artery, Vein	Mineralization	Minimal
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery	Fat	Necrosis	Marked
	[Necrosis TGLS = 3-12: Necrosis, Fat, Marked]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 7	TRT#: 1	SEX: Male	DAY ON TEST: 583
	DOSE: 0.0%	DISP: Moribund Sacrifice	HISTO: 9400007

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 3-1: Nephropathy, Chronic, Moderate]		
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose		Leukemia Mononuclear	
	Arteriole, Venule	Thrombosis	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
	[Adenoma TGLS = 4-7: Adenoma, Pars Distalis]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 7	TRT#: 1 DOSE: 0.0%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 583 HISTO: 9400007
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ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell]			
* Thymus		Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Kidney	Nephropathy; Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 8	TRT#: 1	SEX: Male	DAY ON TEST: 723
	DOSE: 0.0%	DISP: Terminal Sacrifice	HISTO: 9400008

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Brain	* Epididymis	* Esophagus
* 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	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Minimal
		Hypertrophy	Mild
		Inflammation	Chronic Active, Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone	Mandible	Osteosarcoma	
	[Osteosarcoma TGLS = 1-13: Osteosarcoma, Mandible]		
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
		Osteosarcoma	Metastatic (Bone)
	[Osteosarcoma TGLS = 5-12: Osteosarcoma, Metastatic, Bone, Mandible]		
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
	[Basophilic Focus TGLS = 3-4+5: Basophilic Focus]		
* Lung		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
		Osteosarcoma	Metastatic (Bone)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 8	TRT#: 1 DOSE: 0.0%	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 723 HISTO: 9400008
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Atrophy	Mild
* Preputial Gland		Hyperplasia Inflammation	Mild Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-1: Mononuclear Cell Leukemia]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 9	TRT#: 1	SEX: Male	DAY ON TEST: 585
	DOSE: 0.0%	DISP: Moribund Sacrifice	HISTO: 9400009

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Brain		Hemorrhage	Moderate
		Leukemia Mononuclear	
	[Hemorrhage TGLS = 5-6: Hemorrhage, Moderate]		
* Heart		Leukemia Mononuclear	
* Kidney		Infarct	Mild
		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
	[Infarct TGLS = 4-1: Infarct, Mild]		
* Liver	Hepatocyte	Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
	[Leukemia Mononuclear TGLS = 3-4+5: Mononuclear Cell Leukemia]		
* Lung		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 9	TRT#: 1 DOSE: 0.0%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 585 HISTO: 9400009
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ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose		Inflammation	Suppurative, Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]			
* Stomach, Glandular	Epithelium	Ulcer	Marked
[Ulcer TGLS = 6-12: Ulcer, Epithelium, Marked]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Brain Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 568

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400010

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Brain		Hemorrhage	Moderate
		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver	Hepatocyte	Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Hepatocyte	Necrosis	Mild
	[Leukemia Mononuclear TGLS = 3-4+5: Mononuclear Cell Leukemia]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-2: Mononuclear Cell Leukemia]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Nose		Inflammation	Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 10	TRT#: 1 DOSE: 0.0%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 568 HISTO: 9400010
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Leukemia Mononuclear Atrophy	Minimal
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-12: Mononuclear Cell Leukemia]			
* Stomach, Glandular	Epithelium	Erosion	Mild
[Erosion TGLS = 5-12: Erosion, Epithelium, Mild]			
* Testes	Bilateral, Interstit Cell	Adenoma	
* Urinary Bladder		Hemorrhage	Moderate
[Hemorrhage TGLS = 1-1: Hemorrhage, Moderate]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 560

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400011

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* 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
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-4+5: Mononuclear Cell Leukemia]	Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Lumbar	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-14: Mononuclear Cell Leukemia]		
	[Leukemia Mononuclear TGLS = 4-12: Mononuclear Cell Leukemia]		
	[Leukemia Mononuclear TGLS = 5-13: Mononuclear Cell Leukemia]		
	[Leukemia Mononuclear TGLS = 8-2: Mononuclear Cell Leukemia]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-6: Mononuclear Cell Leukemia]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 11	TRT#: 1	SEX: Male	DAY ON TEST: 560
	DOSE: 0.0%	DISP: Moribund Sacrifice	HISTO: 9400011

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 7-4: Mononuclear Cell Leukemia]			
Mesentery	Fat	Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-1: Mononuclear Cell Leukemia]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
	Epithelium	Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
	Epithelium	Ulcer	Marked
[Hyperplasia TGLS = 10-15: Hyperplasia, Epithelium, Mild]			
[Ulcer TGLS = 10-15: Ulcer, Marked]			
* Stomach, Glandular	Epithelium	Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
	Epithelium	Ulcer	Marked
[Ulcer TGLS = 10-15: Ulcer, Epithelium, Marked]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	Follicle	Cyst	Mild
	C Cell	Hyperplasia	Minimal
		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 723

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9400012

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Mild
* Islets, Pancreatic		Carcinoma	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
	[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Mild]		
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLS = 4-12: Keratoacanthoma]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-1: Mononuclear Cell leukemia]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 12	TRT#: 1	SEX: Male	DAY ON TEST: 723
	DOSE: 0.0%	DISP: Terminal Sacrifice	HISTO: 9400012

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell	Adenoma
	[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]	
* Thyroid Gland	C Cell	Adenoma

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 463

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400013

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Chronic, Mild
* Intestine Small, Jejunum		Carcinoma	
[Carcinoma TGLS = 2-12: Carcinoma]			
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Lymph Node, Mesenteric		Ectasia	Moderate
Oral Mucosa	Pharyngeal	Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 3-13: Squamous Cell Carcinoma, Pharyngeal]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Hyperplasia	Mild
		Inflammation	Chronic Active, Moderate
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Fibrosis	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 463

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400013

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-10: Adenoma, Bilateral, Interstitial Cell]

PRIMARY CAUSE OF DEATH

- Intestine Small, Jejunum Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 281

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400014

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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Chronic, Mild
		Pigmentation	Hemosiderin, Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung	Perivascular	Infiltration Cellular	Lymphocyte, Mild
	Artery, Vein	Mineralization	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Minimal
* Skin	Epidermis	Hyperplasia	Minimal
		Inflammation	Chronic Active, Moderate

[Inflammation TGLS = 1-12: Inflammation, Chronic-Active, Moderate]

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 641

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400015

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Brain	* Epididymis	* Esophagus
* 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	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration Hyperplasia Leukemia Mononuclear	Fatty, Minimal Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone		Chordoma	
[Chordoma TGLS = 5-13+14: Chordoma]			
* Bone Marrow		Hyperplasia Leukemia Mononuclear	Moderate
Coagulating Gland		Inflammation	Chronic Active, Marked
* Heart		Cardiomyopathy Leukemia Mononuclear	Chronic, Mild
* Kidney		Leukemia Mononuclear Nephropathy	Chronic, Mild
[Leukemia Mononuclear TGLS = 3-1: Mononuclear Cell Leukemia]			
* Liver	Bile Duct	Hyperplasia Leukemia Mononuclear	Moderate
	Hepatocyte	Necrosis Pigmentation	Mild Hemosiderin, Mild
* Lung		Chordoma Leukemia Mononuclear	Metastatic (Bone)
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 15	TRT#: 1 DOSE: 0.0%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 641 HISTO: 9400015
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ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland Note: Only One Preputial Gland Available For Histopathological Examination.	Inflammation	Chronic Active, Mild
* Prostate [Inflammation TGLS = 2-11: Inflammation, Chronic-Active, Marked]	Inflammation	Chronic Active, Marked
* Skin Subcut Tiss [Fibroma TGLS = 4-12: Fibroma, Subcutaneous Tissue]	Fibroma	
* Spleen	Leukemia Mononuclear	
* Testes Bilateral, Interstit Cell [Adenoma TGLS = 1-10: Adenoma, Intestitial Cell, Bilateral]	Adenoma	

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Lung Chordoma Bone

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 662

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400016

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
* 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	* Stomach, Forestomach	* Thyroid Gland
* Trachea			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Epididymis		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
[Leukemia Mononuclear TGLS = 5-1: Mononuclear Cell Leukemia]			
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Hepatocyte	Pigmentation	Hemosiderin, Minimal
		Vacuolization Cytoplasmic	Mild
[Leukemia Mononuclear TGLS = 4-3+4: Mononuclear Cell Leukemia]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-2+3: Mononuclear Cell Leukemia]			
Lymph Node	Lumbar	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	

Note: Mediastinal Lymph Nodes Were Inadvertently Placed in Block 04 By Trimmer.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 662

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400016

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 6-4: Mononuclear Cell Leukemia, Mediastinal]

[Leukemia Mononuclear TGLS = 8-14: Mononuclear Cell Leukemia, Lumbar]

* Lymph Node, Mandibular

Leukemia Mononuclear

* Lymph Node, Mesenteric

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 9-13: Mononuclear Cell Leukemia]

* Pancreas

Leukemia Mononuclear

* Pituitary Gland

Leukemia Mononuclear

* Preputial Gland

Inflammation

Chronic Active, Mild

* Prostate

Leukemia Mononuclear

* Seminal Vesicle

Leukemia Mononuclear

Skeletal Muscle

Leukemia Mononuclear

* Skin

Pinna, Subcut Tiss

Leukemia Mononuclear

Melanoma Benign

[Melanoma Benign TGLS = 1-12]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3-1: Mononuclear Cell Leukemia]

* Stomach, Glandular

Epithelium

Inflammation

Chronic Active, Mild

Epithelium

Ulcer

Marked

[Ulcer TGLS = 10-5: Ulcer, Epithelium, Marked]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]

* Thymus

Leukemia Mononuclear

* Urinary Bladder

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 505

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400017

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Epididymis
* Esophagus	* 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	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Marked
* Brain		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
Note: TGL#4-13-NCL:Right Atrium WNL Histopathologically. Enlargement, Noted At Necropsy, Due To Engorgement With Blood. No Thrombus Observed.			
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4+5: Mononuclear Cell Leukemia]			
* Lung		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-4: Mononuclear Cell Leukemia]			
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-12: Mononuclear Cell Leukemia]			
* Testes	Interstitial Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 505

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400017

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 5-7: Adenoma, C Cell]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 697

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400018

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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	* 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 Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Moderate
* Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Cyst	Moderate
		Hyperplasia	Cystic, Moderate
	[Cyst TGLS = 2-12: Cyst, Moderate]		
Mesentery	Fat	Necrosis	Marked
	[Necrosis TGLS = 1-12: Necrosis, Fat, Marked]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-7: Adenoma, Pars Distalis]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	Follicular Cel	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 697

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400018

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 704

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400019

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration Hyperplasia Leukemia Mononuclear	Fatty, Minimal Minimal
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow	Bilateral	Pheochromocytoma Benign Hyperplasia Leukemia Mononuclear	Moderate
* Heart		Cardiomyopathy	Chronic, Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Leukemia Mononuclear Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 4-1: Nephropathy, Chronic, Moderate]		
* Liver	Bile Duct	Hyperplasia Leukemia Mononuclear	Moderate
	Hepatocyte	Necrosis Pigmentation	Mild Hemosiderin, Minimal
	[Leukemia Mononuclear TGLS = 3-4+5: Mononuclear Cell Leukemia]		
* Lung	Alveolar Epith Alveolus	Hyperplasia Infiltration Cellular Leukemia Mononuclear	Mild Histiocyte, Minimal
	Artery, Vein	Metaplasia Mineralization	Osseous, Minimal Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 19	TRT#: 1 DOSE: 0.0%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 704 HISTO: 9400019
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ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular	Leukemia Mononuclear	
* Lymph Node, Mesenteric	Leukemia Mononuclear	
* Mammary Gland	Carcinoma	
	Hyperplasia	Cystic, Marked
[Carcinoma TGLS = 7-13]		
* Parathyroid Gland		
Note: Ectopic Parathyroid Gland Tissue Attached To Thymus On Slide #02.		
* Pituitary Gland	Leukemia Mononuclear	
* Preputial Gland	Cyst	Marked
	Inflammation	Chronic Active, Moderate
[Cyst TGLS = 1-14: Cyst, Marked]		
* Prostate	Inflammation	Chronic Active, Mild
* Spleen	Fibrosis	Moderate
	Hyperplasia	Lymphoid, Moderate
	Leukemia Mononuclear	
[Fibrosis TGLS = 5-12: Fibrosis, Moderate]		
[Hyperplasia TGLS = 6-12: Hyperplasia, Lymphoid, Moderate]		
* Testes	Bilateral, Interstit Cell	Adenoma
[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]		
* Thymus	Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Kidney	Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 575

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400020

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	* Lymph Node, Mandibular
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Pituitary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Fibrosarcoma	Metastatic (Spleen)
		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver		Fibrosarcoma	Metastatic (Spleen)
		Leukemia Mononuclear	
	Hepatocyte	Necrosis	Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Fibrosarcoma TGLS = 4-4+5:Fibrosarcoma, Metastatic From Spleen]		
* Lung		Fibrosarcoma	Metastatic (Spleen)
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	Note: TGL#5-12:Enlarged Mesenteric Lymph Node,Noted At Necropsy, Is Portion Of Metastatic Fibrosarcoma From Spleen In Mesenteric Fat.		
* Mammary Gland		Hyperplasia	Cystic, Minimal
Mesentery	Fat	Fibrosarcoma	Metastatic (Spleen)
	[Fibrosarcoma TGLS = 5-12:Fibrosarcoma,Fat,Metastatic From Spleen]		
* Nose		Inflammation	Suppurative, Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 20	TRT#: 1 DOSE: 0.0%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 575 HISTO: 9400020
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ORGAN AND ACCOUNTABLE SITE STATUS

* Skin	Sebaceous GI	Hyperplasia	Moderate
[Hyperplasia TGLS = 1-14: Hyperplasia, Sebaceous Glands, Moderate]			
* Spleen		Fibrosarcoma Leukemia Mononuclear	
[Fibrosarcoma TGLS = 3-1: Fibrosarcoma]			
* Stomach, Glandular	Epithelium	Ulcer	Marked

PRIMARY CAUSE OF DEATH	- Spleen	Fibrosarcoma						
CONTRIBUTORY CAUSE OF DEATH	- Kidney	Fibrosarcoma	Spleen;Liver	Fibrosarcoma	Spleen;Lung	Fibrosarcoma	Spleen;Spleen	Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 723

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9400021

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration Hyperplasia	Fatty, Mild Mild
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Chronic, Moderate
* Kidney	Renal Tubule	Adenoma Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 3-1: Nephropathy, Chronic, Moderate]		
* Liver	Hepatocyte Bile Duct	Basophilic Focus Degeneration Hyperplasia Inflammation	Cystic, Minimal Mild Chronic, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Carcinoma Hyperplasia	Cystic, Moderate
	[Carcinoma TGLS = 2-12]		
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 4-7: Adenoma, Pars Distalis]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 723

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9400021

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 591

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400022

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[Leukemia Mononuclear TGLS = 2-4+5: Mononuclear Cell Leukemia]		
* Lung		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-2: Mononuclear Cell Leukemia, Mediastinal]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery	Fat	Necrosis	Marked
	[Necrosis TGLS = 5-12: Necrosis, Fat, Marked]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 22	TRT#: 1 DOSE: 0.0%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 591 HISTO: 9400022
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 6-7: Adenoma, Pars Distalis]	Pars Distalis	Adenoma	
* Prostate		Inflammation	Chronic Active, Mild
* Spleen [Leukemia Mononuclear TGLS = 1-12: Mononuclear Cell leukemia]		Leukemia Mononuclear	
* Testes [Hyperplasia TGLS = 4-10: Hyperplasia, Interstitial Cell, Minimal]	Interstitial Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 23

TRT#: 1

SEX: Male

DAY ON TEST: 723

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9400023

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	* 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	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 3-11: Malignant Mesothelioma]			
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Moderate
[Nephropathy TGLS = 6-1: Nephropathy, Chronic, Moderate]			
* Liver		Basophilic Focus	
	Hepatocyte	Degeneration	Cystic, Minimal
	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Mild
		Inflammation	Chronic, Mild
[Hepatodiaphragmatic Nodule TGLS = 8-4: Hepatodiaphragmatic Nodule]			
* Lung	Alveolar Epith	Hyperplasia	Mild
	Artery, Vein	Mineralization	Minimal
Mesentery		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 4-12: Malignant Mesothelioma]			
* Parathyroid Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 7-7: Hyperplasia, Mild]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Seminal Vesicle		Mesothelioma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 23	TRT#: 1	SEX: Male	DAY ON TEST: 723
	DOSE: 0.0%	DISP: Terminal Sacrifice	HISTO: 9400023

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Fibrosarcoma	
		Fibrosis	Moderate
[Fibrosarcoma TGLS = 9-13: Fibrosarcoma]			
[Fibrosis TGLS = 5-12: Fibrosis, Moderate]			
* Testes	Bilateral, Interstit Cell	Adenoma	
		Mesothelioma Malignant	
[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]			
[Mesothelioma Malignant TGLS = 2-10: Malignant Mesothelioma]			
* Thyroid Gland	Follicular Cel	Carcinoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 574

DOSE: 0.0%

DISP: Natural Death

HISTO: 9400024

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* 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	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Necrosis	Marked
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Leukemia Mononuclear	
	Hepatocyte	Necrosis	Mild
	[Leukemia Mononuclear TGLS = 3,4-4+5: Mononuclear Cell Leukemia]	Vacuolization Cytoplasmic	Mild
* Lung		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-12: Mononuclear Cell Leukemia, Mediastinal]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Leukemia Mononuclear	
	Fat	Necrosis	Marked
	[Necrosis TGLS = 8-12: Necrosis, Marked, Fat]		
* Pancreas	Acinus	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 24	TRT#: 1 DOSE: 0.0%	SEX: Male DISP: Natural Death	DAY ON TEST: 574 HISTO: 9400024
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ORGAN AND ACCOUNTABLE SITE STATUS

* Parathyroid GI Note: TGL#5-7-NCL: Parathyroid Glands Considered To Be WNL Histopathologically.			
* Pituitary GI Note: TGL#7-7-NCL:Focus, Noted At Necropsy, Not Apparent Histopathologically.			
* Prostate		Inflammation	Chronic Active, Moderate
* Spleen [Leukemia Mononuclear TGLS = 2-12: Mononuclear Cell Leukemia]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	

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

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 723

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9400025

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Parathyroid Gland	* Prostate	* Salivary Glands	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Atrophy	Moderate
		Leukemia Mononuclear	
* Epididymis		Leukemia Mononuclear	
		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 3-11: Malignant Mesothelioma]		
* Heart		Leukemia Mononuclear	
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Nephropathy TGLS = 4-1: Nephropathy, Chronic, Mild]	Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-4+5: Mononuclear Cell Leukemia]	Pigmentation	Hemosiderin, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 723

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9400025

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery		Mesothelioma Malignant	
	Fat	Pigmentation	Hemosiderin, Marked
	[Mesothelioma Malignant TGLS = 7-12: Malignant Mesothelioma]		
	[Pigmentation TGLS = 8-13: Pigment, Fat, Hemosiderin, Marked]		
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-7: Mononuclear Cell leukemia]		
* Preputial Gland		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
* Seminal Vesicle		Mesothelioma Malignant	
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-12: Mononuclear Cell Leukemia]		
* Stomach, Forestomach		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
		Mesothelioma Malignant	
	[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]		
	[Mesothelioma Malignant TGLS = 2-10: Malignant Mesothelioma]		
* Thymus		Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 723

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9400026

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Minimal
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
	[Fibroadenoma TGLS = 1-13: Fibroadenoma]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 4-7: Adenoma, Pars Distalis]		
* Preputial Gland		Hyperplasia	Mild
		Inflammation	Chronic Active, Moderate
* Prostate		Inflammation	Chronic Active, Moderate
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Marked
	[Adenoma TGLS = 2-12: Adenoma, Interstitial Cell]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 723

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9400026

ORGAN AND ACCOUNTABLE SITE STATUS

[Degeneration TGLS = 3-10: Degeneration, Germinal Epithelium, Marked]

* Thyroid Gland

Follicular Cel

Hyperplasia

Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 723

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9400027

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic Active, Moderate
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]		
* Testes	Interstitial Cell	Adenoma	
	Interstitial Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 27	TRT#: 1	SEX: Male	DAY ON TEST: 723
	DOSE: 0.0%	DISP: Terminal Sacrifice	HISTO: 9400027

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell]

[Hyperplasia TGLS = 1-10: Hyperplasia, Interstitial Cell, Minimal]

* Thyroid Gland	C Cell	Adenoma
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PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 28 TRT#: 1 SEX: Male DAY ON TEST: 723
DOSE: 0.0% DISP: Terminal Sacrifice HISTO: 9400028

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Hepatocyte	Degeneration	Cystic, Marked
	Bile Duct	Hepatocellular Adenoma	
		Hyperplasia	Moderate
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
	[Hepatocellular Adenoma TGLS = 4,5,6-5+13+12]		
	[Leukemia Mononuclear TGLS = 3-4+5: Mononuclear Cell Leukemia]		
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 28	TRT#: 1 DOSE: 0.0%	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 723 HISTO: 9400028
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ORGAN AND ACCOUNTABLE SITE STATUS

	Pars Distalis [Hyperplasia TGLS = 7-7: Hyperplasia, Pars Distalis, Mild]	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen [Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell leukemia]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 645

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400029

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow	Bilateral	Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Kidney		Hyperplasia	Marked
		Leukemia Mononuclear	
* Liver	Bile Duct	Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
		Hyperplasia	Moderate
* Lung	Hepatocyte	Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
	Artery, Vein	Leukemia Mononuclear	
Lymph Node	Mediastinal	Mineralization	Minimal
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-12: Mononuclear Cell Leukemia, Mediastinal]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 29	TRT#: 1	SEX: Male	DAY ON TEST: 645
	DOSE: 0.0%	DISP: Moribund Sacrifice	HISTO: 9400029

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-12: Mononuclear Cell leukemia]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell]			
[Hyperplasia TGLS = 2-10: Hyperplasia, Interstitial Cell, Minimal]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 710

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400030

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
	[Nephropathy TGLS = 6-1: Nephropathy, Chronic, Mild]		
* Liver	Hepatocyte	Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Hepatocyte	Necrosis	Moderate
		Pigmentation	Hemosiderin, Mild
	Portal Vein	Thrombosis	Marked
	[Leukemia Mononuclear TGLS = 4-4+5: Mononuclear Cell Leukemia]		
* Lung		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 710

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400030

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular

Leukemia Mononuclear

* Lymph Node, Mesenteric

Leukemia Mononuclear

* Mammary Gland

Hyperplasia

Cystic, Mild

Mesentery

Fat

Necrosis

Marked

[Necrosis TGLS = 2-13: Necrosis, Fat, Marked]

* Pituitary Gland

Leukemia Mononuclear

* Preputial Gland

Inflammation

Chronic Active, Mild

* Spleen

Fibrosis

Minimal

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 5-1: Mononuclear Cell Leukemia]

* Stomach, Forestomach

Epithelium

Hyperplasia

Mild

Leukemia Mononuclear

[Hyperplasia TGLS = 7-12: Hyperplasia, Epithelium, Mild]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 3-10: Adenoma, Interstitial Cell, Bilateral]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 676

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400031

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Moderate
		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver	Hepatocyte	Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-4+5: Mononuclear Cell Leukemia]	
* Lung		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
	Mediastinal	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-2: Mononuclear Cell Leukemia, Mediastinal]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Inflammation	Suppurative, Mild
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic Active, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 31	TRT#: 1 DOSE: 0.0%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 676 HISTO: 9400031
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ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Chronic Active, Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]		
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	

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

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 619

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400032

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow	Bilateral	Leukemia Mononuclear	
* Heart		Pheochromocytoma Benign	
		Hyperplasia	Marked
		Leukemia Mononuclear	
		Cardiomyopathy	Chronic, Mild
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-5: Mononuclear Cell Leukemia]	
* Kidney	Renal Tubule	Adenoma	
		Leukemia Mononuclear	
* Liver	Bile Duct	Nephropathy	Chronic, Moderate
		Hyperplasia	Moderate
* Lung		Leukemia Mononuclear	
	Artery, Vein	Leukemia Mononuclear	
Lymph Node	Mediastinal	Mineralization	Minimal
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Leukemia Mononuclear	
* Nose		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Inflammation	Suppurative, Mild
		Adenoma	
		[Adenoma TGLS = 5-7: Adenoma, Pars Distalis]	
* Preputial Gland		Inflammation	Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 32	TRT#: 1 DOSE: 0.0%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 619 HISTO: 9400032
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ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Chronic Active, Mild
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLS = 1-12: Fibroma, Subcutaneous Tissue]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-12: Mononuclear Cell Leukemia]		
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thymus			
	Note: TGL#3-12-NCL: Cyst, Noted At Necropsy, Not Apparent Histopathologically,		

PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Kidney	Nephropathy; Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 674

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400033

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* 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	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
	[Leukemia Mononuclear TGLS = 7-2+3: Mononuclear Cell Leukemia]		
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-14: Mononuclear Cell Leukemia, Renal]		
	[Leukemia Mononuclear TGLS = 3-13: Mononuclear Cell Leukemia, Mediastinal]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6: Mononuclear Cell Leukemia]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 33	TRT#: 1 DOSE: 0.0%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 674 HISTO: 9400033
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ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 5-15: Mononuclear Cell Leukemia]		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis Pars Distalis	Adenoma Hyperplasia Leukemia Mononuclear	Minimal
[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Spleen [Leukemia Mononuclear TGLS = 2-12: Mononuclear Cell Leukemia]		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 526

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400034

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* 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	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Lung	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Nose		Inflammation	Chronic Active, Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Carcinoma	
		Inflammation	Chronic Active, Mild
	[Carcinoma TGLS = 1-12: Carcinoma]		
* Prostate		Inflammation	Chronic Active, Minimal
* Skin		Inflammation	Chronic Active, Moderate
	[Inflammation TGLS = 2-13: Inflammation, Chronic-Active, Moderate]		
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Preputial Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 35

TRT#: 1

SEX: Male

DAY ON TEST: 723

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9400035

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* 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
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Marked
		Myelofibrosis	Mild
* Heart		Cardiomyopathy	Chronic, Mild
	Atrium	Thrombosis	Marked
	[Thrombosis TGLS = 7-5: Thrombosis, Atrium, Marked]		
* Kidney	Papilla	Hyperplasia	Atypical, Mild
		Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 5-1: Nephropathy, Chronic, Moderate]		
* Liver		Basophilic Focus	
	Hepatocyte	Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Necrosis	Minimal
* Lung	Artery, Vein	Mineralization	Minimal
Mesentery	Fat	Necrosis	Marked
	[Necrosis TGLS = 6-12: Necrosis, Fat, Marked]		
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Hyperplasia	Moderate
		Inflammation	Chronic Active, Moderate
	[Hyperplasia TGLS = 1-11: Hyperplasia, Moderate]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 35	TRT#: 1	SEX: Male	DAY ON TEST: 723
	DOSE: 0.0%	DISP: Terminal Sacrifice	HISTO: 9400035

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Chronic Active, Minimal
* Spleen		Congestion	Moderate
		Fibrosis	Mild
	[Congestion TGLS = 4-1: Congestion, Moderate]		
	[Fibrosis TGLS = 3-12: Fibrosis, Mild]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 669

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400036

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* 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	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Mild
		[Leukemia Mononuclear TGLS = 3-4+5: Mononuclear Cell Leukemia]	
* Lung		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
	Mediastinal	Leukemia Mononuclear	
* Lymph Node		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 669

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400036

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Leukemia Mononuclear Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]		
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 669

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400037

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Leukemia Mononuclear	
		Necrosis	Minimal
	[Leukemia Mononuclear TGLS = 3-4+5: Mononuclear Cell Leukemia]		
* Lung		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
	Lymph Node	Leukemia Mononuclear	
* Lymph Node, Mesenteric	Mediastinal	Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Minimal
	[Fibroadenoma TGLS = 4-12: Fibroadenoma]		
* Pancreas	Acinus	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 37	TRT#: 1 DOSE: 0.0%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 669 HISTO: 9400037
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Intermed	Cyst	Mild
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-12: Mononuclear Cell Leukemia]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 655

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400038

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* 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	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Nose		Inflammation	Suppurative, Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Preputial Gland		Adenoma	
		Inflammation	Chronic Active, Minimal
	[Adenoma TGLS = 1-12: Adenoma]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-1: Mononuclear Cell Leukemia]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]		

PRIMARY CAUSE OF DEATH

- Preputial Gland Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 710

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400039

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Leukemia Mononuclear	
		Thrombosis	Mild
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Moderate
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
	[Leukemia Mononuclear TGLS = 4-1: Mononuclear Cell Leukemia]		
* Liver	Hepatocyte	Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Leukemia Mononuclear TGLS = 3-4+5: Mononuclear Cell Leukemia]		
* Lung		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-2: Mononuclear Cell Leukemia, Mediastinal]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 39	TRT#: 1	SEX: Male	DAY ON TEST: 710
	DOSE: 0.0%	DISP: Moribund Sacrifice	HISTO: 9400039

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 6-13: Mononuclear Cell Leukemia, Renal]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6: Mononuclear Cell Leukemia]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-12: Mononuclear Cell Leukemia]			
* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose		Inflammation	Chronic Active, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 8-7: Adenoma, Pars Distalis]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 10-1: Fibrosis, Mild]			
[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]			
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Marked
[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 715

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400040

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Prostate
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Pheochromocytoma Benign	
		Pheochromocytoma Malignant	
	[Pheochromocytoma Benign TGLS = 4-7]		
	[Pheochromocytoma Malignant TGLS = 4-7]		
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Brain		Hemorrhage	Mild
		Leukemia Mononuclear	
Coagulating Gland		Leukemia Mononuclear	
* Epididymis		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 3-1: Nephropathy, Chronic, Moderate]		
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Leukemia Mononuclear TGLS = 5-4+5: Mononuclear Cell Leukemia]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 715

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400040

ORGAN AND ACCOUNTABLE SITE STATUS

	Artery, Vein	Leukemia Mononuclear Mineralization	Minimal
[Leukemia Mononuclear TGLS = 9-2+3: Mononuclear Cell leukemia]			
Lymph Node	Lumbar Mediastinal	Leukemia Mononuclear Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-13: Mononuclear Cell Leukemia, Lumbar]			
[Leukemia Mononuclear TGLS = 8-12: Mononuclear Cell Leukemia, Mediastinal]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-4: Mononuclear Cell leukemia]			
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Minimal
		Leukemia Mononuclear	
* Parathyroid Gland		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell leukemia]			
* Stomach, Glandular	Epithelium	Erosion	Mild
		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-12: Mononuclear Cell leukemia]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 723

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9400041

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* 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	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Lung	Hepatocyte	Vacuolization Cytoplasmic	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 723

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9400041

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 646

DOSE: 0.0%

DISP: Natural Death

HISTO: 9400042

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
* Liver	Hepatocyte	Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
* Lung	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
* Thymus		Thymoma Malignant	

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 457

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400043

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	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Mild
* Liver		Inflammation	Chronic, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
	Epithelium	Inflammation	Chronic Active, Moderate
	Epithelium	Ulcer	Marked
	[Hyperplasia TGLS = 2-5+12: Hyperplasia, Epithelium, Mild]		
	[Ulcer TGLS = 2-5+12: Ulcer, Epithelium, Marked]		
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 305

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400044

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	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	* 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

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone			
Note: TGL#2-14: Thoracic Vertebral Bone Mass, Noted At Necropsy, Is Malignant Schwannoma Arising From A Thoracic Spinal Nerve.			
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic, Mild
	Hepatocyte	Necrosis	Mild
	Hepatocyte	Pigmentation	Hemosiderin, Minimal
	[Hepatodiaphragmatic Nodule TGLS = 1-13: Hepatodiaphragmatic Nodule]	Vacuolization Cytoplasmic	Minimal
* Lung	Artery, Vein	Mineralization	Minimal
Peripheral Nerve	Spinal	Schwannoma Malignant	
	[Schwannoma Malignant TGLS = 2-14: Schwannoma, Malignant, Spinal]		
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Mild
Spinal Cord		Demyelination	Minimal
Note: The Spinal Cord In The Region Of The Malignant Schwannoma Is Severely Compressed By The Neoplastic Growth. This Would Account For The Paralysis Noted Clinically			
* Testes	Interstit Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 305

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400044

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Peripheral Nerve Spinal Schwannoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 719

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400045

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Adrenal Medulla		Hyperplasia	Minimal
		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
* Liver	Hepatocyte	Degeneration	Cystic, Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
	[Leukemia Mononuclear TGLS = 3-4+5: Mononuclear Cell Leukemia]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Nose		Inflammation	Chronic Active, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 45	TRT#: 1 DOSE: 0.0%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 719 HISTO: 9400045
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-7: Adenoma, Pars Distalis]			
* Preputial Gland		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell]			
[Hyperplasia TGLS = 1-10: Hyperplasia, Interstitial Cell, Minimal]			
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH	- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 683

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400046

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration Hyperplasia Leukemia Mononuclear	Fatty, Minimal Mild
* Adrenal Medulla		Hyperplasia Leukemia Mononuclear	Minimal
* Bone Marrow		Hyperplasia Leukemia Mononuclear Myelofibrosis	Marked Mild
* Heart		Cardiomyopathy	Chronic, Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Leukemia Mononuclear Nephropathy	Chronic, Mild
* Liver	Hepatocyte Bile Duct	Degeneration Hyperplasia Leukemia Mononuclear	Cystic, Minimal Moderate
	Hepatocyte Hepatocyte	Necrosis Vacuolization Cytoplasmic	Minimal Mild
	[Leukemia Mononuclear TGLS = 3-4+5: Mononuclear Cell Leukemia]		
* Lung	Artery, Vein	Leukemia Mononuclear Mineralization	Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 46	TRT#: 1	SEX: Male	DAY ON TEST: 683
	DOSE: 0.0%	DISP: Moribund Sacrifice	HISTO: 9400046

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
[Adenoma TGLS = 4-7: Adenoma, Pars Distalis]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-12: Mononuclear Cell Leukemia]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 723

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9400047

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* 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	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Leukemia Mononuclear	
* Liver		Basophilic Focus	
	Hepatocyte	Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung	Hepatocyte	Vacuolization Cytoplasmic	Minimal
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Skin		Basal Cell Carcinoma	
	[Basal Cell Carcinoma TGLS = 1-12]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-1: Mononuclear Cell Leukemia]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 47	TRT#: 1	SEX: Male	DAY ON TEST: 723
	DOSE: 0.0%	DISP: Terminal Sacrifice	HISTO: 9400047

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 655

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400048

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* 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	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Mild
	Artery, Vein	Mineralization	Minimal
* Nose		Inflammation	Suppurative, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
	[Hyperplasia TGLS = 4-7: Hyperplasia, Pars Distalis, Moderate]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLS = 1-12: Fibroma, Subcutaneous Tissue]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 3-10: Adenoma, Interstitial Cell, Bilateral]		
* Thyroid GI			
	Note: Only One Thyroid Gland Available For Histopathological Examination.		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 655

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400048

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 723

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9400049

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Lymph Node, Mesenteric		Ectasia	Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Adenoma	
		Inflammation	Chronic Active, Minimal
	[Adenoma TGLS = 2-12: Adenoma]		
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Fibrosis	Minimal
	[Fibrosis TGLS = 3-1: Fibrosis, Minimal]		
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 723

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9400049

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 652

DOSE: 0.0%

DISP: Natural Death

HISTO: 9400050

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Chronic, Mild
* Intestine Small, Ileum		Leiomyosarcoma	
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Preputial Gland		Inflammation	Chronic Active, Mild
* Spleen		Fibrosarcoma	
	[Fibrosarcoma TGLS = 1-12: Fibrosarcoma]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]		

PRIMARY CAUSE OF DEATH

- Spleen Fibrosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 51

TRT#: 3

SEX: Male

DAY ON TEST: 669

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400301

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* 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
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Pheochromocytoma Benign Hyperplasia	Marked
* Heart		Leukemia Mononuclear Cardiomyopathy	Chronic, Mild
* Kidney		Leukemia Mononuclear Leukemia Mononuclear Nephropathy	Chronic, Moderate
* Liver	Hepatocyte Bile Duct	Degeneration Hyperplasia	Cystic, Moderate Moderate
* Lung		Leukemia Mononuclear Leukemia Mononuclear	
Lymph Node	Artery, Vein Mediastinal Renal	Mineralization Leukemia Mononuclear Leukemia Mononuclear	Minimal
		[Leukemia Mononuclear TGLS = 3-12: Mononuclear Cell Leukemia, Renal]	
		[Leukemia Mononuclear TGLS = 4-2: Mononuclear Cell Leukemia, Mediastinal]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis Pars Distalis	Cyst Hyperplasia	Minimal Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 51	TRT#: 3 DOSE: 0.06%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 669 HISTO: 9400301
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ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland	Leukemia Mononuclear	
* Prostate	Inflammation	Chronic Active, Mild
Note: Some Prostatic Tissue Also On Slide #10	Inflammation	Chronic Active, Minimal
* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-12: Mononuclear Cell Leukemia]		
* Testes	Bilateral, Interstit Cell	
[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]	Adenoma	
* Thyroid Gland	C Cell	Minimal

PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Kidney	Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 52

TRT#: 3

SEX: Male

DAY ON TEST: 723

DOSE: 0.06%

DISP: Terminal Sacrifice

HISTO: 9400302

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Esophagus	* 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
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Moderate
* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Moderate]		
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Nose		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland		Inflammation	Chronic Active, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
		Mesothelioma Malignant	
	[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]		
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 53

TRT#: 3

SEX: Male

DAY ON TEST: 723

DOSE: 0.06%

DISP: Terminal Sacrifice

HISTO: 9400303

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* 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	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Hepatocyte	Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Mild
		Mixed Cell Focus	
* Lung	Hepatocyte	Vacuolization Cytoplasmic	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Perivascular	Infiltration Cellular	Lymphocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Fibroadenoma	
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 1-12: Necrosis, Fat, Marked]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Fibrosis	Moderate
		Metaplasia	Lipocyte, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 53	TRT#: 3	SEX: Male	DAY ON TEST: 723
	DOSE: 0.06%	DISP: Terminal Sacrifice	HISTO: 9400303

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 2-12: Fibrosis, Moderate]		
[Metaplasia TGLS = 3-12: Metaplasia, Lipocyte, Marked]		
* Testes	Bilateral, Interstit Cell	Adenoma
[Adenoma TGLS = 4-10: Adenoma, Interstitial Cell, Bilateral]		
* Thyroid Gland	C Cell	Adenoma

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 54

TRT#: 3

SEX: Male

DAY ON TEST: 712

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400304

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Brain	* Epididymis	* Esophagus
* 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	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone		Fibrous Osteodystrophy	Mild
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Chronic, Mild
		Mineralization	Minimal
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Marked]		
* Liver	Hepatocyte	Degeneration	Cystic, Mild
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Hyperplasia TGLS = 4-4+5: Hyperplasia, Bile Duct, Mild]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Metaplasia	Osseous, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 54	TRT#: 3 DOSE: 0.06%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 712 HISTO: 9400304
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ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland Note: TGL#3-11-NCL: Preputial Gld Cyst, Documented At Necropsy, Not Apparent Histopathologically.	Pars Distalis	Hyperplasia Inflammation	Moderate Chronic Active, Mild
* Testes [Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 55	TRT#: 3 DOSE: 0.06%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 669 HISTO: 9400305
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Mild
		Leukemia Mononuclear	
* Kidney		Cyst	Marked
		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
	[Cyst TGLS = 6-12: Cyst, Marked]		
	[Nephropathy TGLS = 5-1: Nephropathy, Chronic, Moderate]		
* Liver	Hepatocyte	Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-4+5: Mononuclear Cell Leukemia]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-13: Mononuclear Cell leukemia, Mediastinal]		
* Lymph Node, Mandibular		Ectasia	Mild
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 55	TRT#: 3	SEX: Male	DAY ON TEST: 669
	DOSE: 0.06%	DISP: Moribund Sacrifice	HISTO: 9400305

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Inflammation	Suppurative, Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLS = 1-14: Keratoacanthoma]		
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
	[Fibrosis TGLS = 3-1: Fibrosis, Mild]		
	[Leukemia Mononuclear TGLS = 2-12: Mononuclear Cell Leukemia]		
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
	[Adenoma TGLS = 4-10: Adenoma, Interstitial Cell]		
	[Hyperplasia TGLS = Hyperplasia, Interstitial Cell, Mild]		
* Thymus		Cyst	Mild

PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Kidney	Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 56

TRT#: 3

SEX: Male

DAY ON TEST: 502

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400306

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
		Hyperplasia	Marked
* Heart		Leukemia Mononuclear	
		Cardiomyopathy	Chronic, Minimal
* Kidney		Leukemia Mononuclear	
		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 5-2+3: Mononuclear Cell Leukemia]	
Lymph Node	Mediastinal	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-2: Mononuclear Cell Leukemia, Mediastinal]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Arteriole, Venule	Thrombosis	Marked
* Pancreas		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	

Note: TGL#1-12-NCL: Cyst, Noted At Necropsy, Not Apparent Histopathologically.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 56	TRT#: 3 DOSE: 0.06%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 502 HISTO: 9400306
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ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Testes	Interstitial Cell	Adenoma	
	Germinal Epith	Degeneration	Moderate
	Interstitial Cell	Hyperplasia	Minimal
[Adenoma TGLS = 3-10: Adenoma, Interstitial Cell]			
[Hyperplasia TGLS = 3-10: Hyperplasia, Interstitial Cell, Minimal]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 57

TRT#: 3

SEX: Male

DAY ON TEST: 641

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400307

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
	[Leukemia Mononuclear TGLS = 5-1: Mononuclear Cell Leukemia]		
* Liver	Hepatocyte	Degeneration	Cystic, Mild
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-4+5: Mononuclear Cell Leukemia]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
	Note: TGL#1-12:Mammary Gland Mass, Noted At Necropsy, Is Subcutaneous Fibroma Histopathologically.		
* Preputial Gland		Inflammation	Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 57	TRT#: 3 DOSE: 0.06%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 641 HISTO: 9400307
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ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Chronic Active, Minimal
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLS = 1-12: Fibroma, Subcutaneous Tissue]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-12: Mononuclear Cell Leukemia]		
* Testes	Interstit Cell	Adenoma	
	[Adenoma TGLS = 3-10: Adenoma, Interstitial Cell]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 58

TRT#: 3

SEX: Male

DAY ON TEST: 641

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400308

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Esophagus	* 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
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
Note: Other Adrenal Gland Is Within Normal Limits Histopathologically			
[Pheochromocytoma Benign TGLS = 4-7: Pheochromocytoma, Benign]			
* Bone Marrow		Hyperplasia	Marked
		Inflammation	Suppurative, Mild
		Granuloma Sperm	Marked
* Epididymis			
[Granuloma Sperm TGLS = 6-11: Sperm Granuloma, Marked]			
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Inflammation	Suppurative, Moderate
		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
[Inflammation TGLS = 3-1: Inflammation, Suppurative, Moderate]			
[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Moderate]			
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-4+5: Mononuclear Cell leukemia]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery	Fat	Necrosis	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 58

TRT#: 3

SEX: Male

DAY ON TEST: 641

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400308

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 10-12: Necrosis, Fat, Marked]

* Preputial Gland

Inflammation

Chronic Active, Mild

* Prostate

Inflammation

Chronic Active, Moderate

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 7-1: Mononuclear Cell Leukemia]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 5-10: Adenoma, Interstitial Cell, Bilateral]

* Thyroid Gland

Follicular Cel

Carcinoma

[Carcinoma TGLS = 9-7: Carcinoma, Follicular Cell]

Zymbal's Gland

Carcinoma

[Carcinoma TGLS = 1-13: Carcinoma]

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

CONTRIBUTORY CAUSE OF DEATH

- Kidney Nephropathy;Spleen Leukemia Mononuclear;Thyroid Gland Follicular Cel Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 59

TRT#: 3

SEX: Male

DAY ON TEST: 579

DOSE: 0.06%

DISP: Natural Death

HISTO: 9400309

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Leukemia Mononuclear	
		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 4-1: Nephropathy, Chronic, Moderate]		
* Liver	Hepatocyte	Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Hepatocyte	Necrosis	Mild
	[Leukemia Mononuclear TGLS = 2-4+5: Mononuclear Cell Leukemia]		
* Lung		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Inflammation	Suppurative, Mild
		Leukemia Mononuclear	
	Arteriole, Venule	Thrombosis	Marked
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 59

TRT#: 3

SEX: Male

DAY ON TEST: 579

DOSE: 0.06%

DISP: Natural Death

HISTO: 9400309

ORGAN AND ACCOUNTABLE SITE STATUS

Pars Distalis

Hyperplasia

Mild

Leukemia Mononuclear

[Adenoma TGLS = 5-7: Adenoma, Pars Distalis]

* Preputial Gland

Cyst

Mild

Inflammation

Chronic Active, Mild

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]

* Stomach, Glandular

Epithelium

Inflammation

Chronic Active, Minimal

Epithelium

Ulcer

Moderate

* Testes

Interstit Cell

Hyperplasia

Minimal

Tissue NOS

Pelvic

Leukemia Mononuclear

Note: TGL#3-12: Tissue NOS, Documented At Necropsy, Resembles Bulbourethral Gland Histopathologically.

[Leukemia Mononuclear TGLS = 3-12: Mononuclear Cell Leukemia, Pelvic]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Kidney Nephropathy; Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 60

TRT#: 3

SEX: Male

DAY ON TEST: 562

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400310

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	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Chronic, Moderate
[Nephropathy TGLS = 3-1: Nephropathy, Chronic, Moderate]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic, Minimal
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Artery, Vein	Mineralization	Minimal
* Nose		Inflammation	Chronic Active, Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Mild
* Skin	Pinna	Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 1-12: Squamous Cell Papilloma, Pinna]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]			

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 61

TRT#: 3

SEX: Male

DAY ON TEST: 634

DOSE: 0.06%

DISP: Natural Death

HISTO: 9400311

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
		Myelofibrosis	Mild
* Heart		Cardiomyopathy	Chronic, Moderate
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver	Hepatocyte	Degeneration	Cystic, Minimal
	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Moderate
	Hepatocyte	Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Minimal
	[Hepatodiaphragmatic Nodule TGLS = 6-5: Hepatodiaphragmatic Nodule]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-14: Mononuclear Cell Leukemia]		
* Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 61

TRT#: 3

SEX: Male

DAY ON TEST: 634

DOSE: 0.06%

DISP: Natural Death

HISTO: 9400311

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-6: Mononuclear Cell Leukemia]

* Lymph Node, Mesenteric

Leukemia Mononuclear

* Mammary Gland

Hyperplasia

Cystic, Minimal

* Pituitary Gland

Pars Distalis

Hyperplasia

Mild

* Preputial Gland

Leukemia Mononuclear

Hyperplasia

Moderate

Inflammation

Chronic Active, Mild

[Hyperplasia TGLS = 1-11: Hyperplasia, Moderate]

* Spleen

Fibrosis

Mild

Leukemia Mononuclear

[Fibrosis TGLS = 4-13: Fibrosis, Mild]

[Leukemia Mononuclear TGLS = 3-12: Mononuclear Cell Leukemia]

* Testes

Interstit Cell

Adenoma

Note: TGL#5-10: Interstitial Cell Adenoma Involves Only One Testicle Histopathologically.

[Adenoma TGLS = 5-10: Adenoma, Interstitial Cell]

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 62

TRT#: 3

SEX: Male

DAY ON TEST: 709

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400312

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Skin	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
* Liver	Hepatocyte	Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-4+5: Mononuclear Cell Leukemia]		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
* Preputial Gland		Hyperplasia	Marked
		Inflammation	Chronic Active, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 62	TRT#: 3	SEX: Male	DAY ON TEST: 709
	DOSE: 0.06%	DISP: Moribund Sacrifice	HISTO: 9400312

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
[Hyperplasia TGLS = 1-12: Hyperplasia, Marked]			
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-1: Mononuclear Cell Leukemia]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular	Epithelium	Erosion	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 63

TRT#: 3

SEX: Male

DAY ON TEST: 619

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400313

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Brain	* Esophagus
* 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
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Pheochromocytoma Benign	
		Hyperplasia	Marked
* Epididymis		Leukemia Mononuclear	
* Heart		Mesothelioma Malignant	
		Cardiomyopathy	Chronic, Mild
		Note: TGL#3-13-NCL: Enlarged Atria, Noted At Necropsy, Due To Engorgement With Blood. Atria Are Considered To Be WNL Histopathologically. No Evidence Of Thrombi.	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-4+5: Mononuclear Cell Leukemia]	Necrosis	Minimal
* Lung		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
	Mediastinal	Leukemia Mononuclear	
* Lymph Node		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Atrophy	Mild
* Pancreas	Acinus	Adenoma	
* Pituitary Gland	Pars Intermed	Leukemia Mononuclear	

Note: TGL#6-7-NCL: Cyst, Noted At Necropsy, Not Apparent Histopathologically.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 63	TRT#: 3	SEX: Male	DAY ON TEST: 619
	DOSE: 0.06%	DISP: Moribund Sacrifice	HISTO: 9400313

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 1-12: Mononuclear Cell Leukemia]	Leukemia Mononuclear
* Testes Bilateral, Interstit Cell [Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]	Adenoma Mesothelioma Malignant
* Thymus Note: TGL#5-12-NCL: Cyst, Noted At Necropsy, Not Apparent Histopathologically.	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 64

TRT#: 3

SEX: Male

DAY ON TEST: 723

DOSE: 0.06%

DISP: Terminal Sacrifice

HISTO: 9400314

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* 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
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Moderate
* Liver	Hepatocyte	Basophilic Focus	
	Bile Duct	Degeneration	Cystic, Minimal
	Centrilobular, Hepatocyte	Hyperplasia	Mild
		Hypertrophy	Mild
		Inflammation	Chronic, Minimal
		Pigmentation	Hemosiderin, Minimal
* Lung	Hepatocyte	Vacuolization Cytoplasmic	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Lym Node Mesen			
Note: TGL#3-13-NCL: Cyst, Documented At Necropsy, Not Apparent Histopathologically.			
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Parathyroid Gland			
Note: TGL#2-7: Enlarged Right Parathyroid Gland, Documented At Necropsy, Is Thyroid Gland Follicular Cell Carcinoma Histopathologically.			
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 64	TRT#: 3 DOSE: 0.06%	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 723 HISTO: 9400314
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ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Fibrosis TGLS = 4-12: Fibrosis, Mild]		Fibrosis	Mild
* Testes [Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland [Carcinoma TGLS = 2-7: Carcinoma, Follicular Cell]	Follicular Cel	Carcinoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 65

TRT#: 3

SEX: Male

DAY ON TEST: 683

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400315

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* 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	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Hepatocyte	Necrosis	Mild
		Pigmentation	Hemosiderin, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[Leukemia Mononuclear TGLS = 4-4+5: Mononuclear Cell leukemia]		
* Lung		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
	Mediastinal	Leukemia Mononuclear	
		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 65

TRT#: 3

SEX: Male

DAY ON TEST: 683

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400315

ORGAN AND ACCOUNTABLE SITE STATUS

* Parathyroid G1

Note: TGL#5-7-NCL: Parathyroid Glands Considered To Be Within Normal Limits Histopathologically

* Pituitary Gland

Pars Distalis

Adenoma

* Preputial Gland

Hyperplasia

Marked

Inflammation

Chronic Active, Mild

[Hyperplasia TGLS = 1-11: Hyperplasia, Marked]

* Prostate

Inflammation

Chronic Active, Minimal

Leukemia Mononuclear

Note: Some Prostatic Tissue Also On Slide #10

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3-1: Mononuclear Cell leukemia]

* Stomach, Forestomach

Epithelium

Hyperplasia

Mild

Epithelium

Inflammation

Chronic Active, Mild

Epithelium

Ulcer

Marked

[Ulcer TGLS = 7-12: Ulcer, Epithelium, Marked]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]

* Thyroid Gland

Follicle

Cyst

Moderate

[Cyst TGLS = 6-7: Cyst, Follicle, Moderate]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 66

TRT#: 3

SEX: Male

DAY ON TEST: 610

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400316

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Epididymis	* Esophagus	Eye	* 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
* Salivary Glands	* Seminal Vesicle	Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
Eye			
Note: TGL#5-14-NCL: Eyes Considered To Be WNL Histopathologically.			
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Moderate
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland			
Note: TGL#1-12:Mammary Gland Mass, Documented At Necropsy, Is Subcutaneous Fibroma Histopathologically.			
* Pancreas	Acinus	Atrophy	Mild
* Preputial Gland		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 3-13: Inflammation, Chronic-Active, Moderate]			
* Prostate		Inflammation	Chronic Active, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 66	TRT#: 3 DOSE: 0.06%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 610 HISTO: 9400316
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ORGAN AND ACCOUNTABLE SITE STATUS

* Skin	Subcut Tiss	Fibroma
	[Fibroma TGLS = 1-12: Fibroma, Subcutaneous Tissue]	
* Spleen		Leukemia Mononuclear
	[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]	
* Testes	Bilateral, Interstit Cell	Adenoma
	[Adenoma TGLS = 4-10: Adenoma, Interstitial Cell, Bilateral]	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 67

TRT#: 3

SEX: Male

DAY ON TEST: 652

DOSE: 0.06%

DISP: Natural Death

HISTO: 9400317

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Brain		Hemorrhage	Moderate
		Leukemia Mononuclear	
	[Hemorrhage TGLS = 6-6: Hemorrhage, Moderate]		
	[Leukemia Mononuclear TGLS = 6-6: Mononuclear Cell Leukemia]		
* Heart		Cardiomyopathy	Chronic, Moderate
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 5-1: Nephropathy, Chronic, Moderate]		
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Hepatocyte	Necrosis	Mild
	[Leukemia Mononuclear TGLS = 4-4+5: Mononuclear Cell Leukemia]		
* Lung		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 67

TRT#: 3

DOSE: 0.06%

SEX: Male

DISP: Natural Death

DAY ON TEST: 652

HISTO: 9400317

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Cyst Hyperplasia	Moderate Cystic, Moderate
[Cyst TGLS = 2-12: Cyst, Moderate]			
[Hyperplasia TGLS = 2-12: Hyperplasia, Cystic, Moderate]			
* Parathyroid Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 8-7: Hyperplasia, Mild]			
* Pituitary Gland	Pars Distalis	Adenoma Leukemia Mononuclear	
[Adenoma TGLS = 7-7: Adenoma, Pars Distalis]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-1: Mononuclear Cell Leukemia]			
* Testes	Interstit Cell	Hyperplasia	Mild
[Hyperplasia TGLS = 1-10: Hyperplasia, Interstitial Cell, Mild]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy; Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 68

TRT#: 3

SEX: Male

DAY ON TEST: 694

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400318

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* 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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 3-7: Pheochromocytoma, Benign]			
* Bone		Fibrous Osteodystrophy	Mild
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Marked]			
* Liver	Hepatocyte	Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung	Artery, Vein	Mineralization	Minimal
* Parathyroid Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 4-7: Hyperplasia, Mild]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
	Epithelium	Inflammation	Chronic Active, Marked
	Epithelium	Ulcer	Marked
[Ulcer TGLS = 5-12: Ulcer, Epithelium, Marked]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 68	TRT#: 3 DOSE: 0.06%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 694 HISTO: 9400318
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ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell	Adenoma
[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]		

PRIMARY CAUSE OF DEATH	- Kidney Nephropathy
CONTRIBUTORY CAUSE OF DEATH	- Stomach;Forestomach Epithelium Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 69

TRT#: 3

SEX: Male

DAY ON TEST: 642

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400319

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* 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
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney	Renal Tubule	Hyperplasia	Moderate
		Nephropathy	Chronic, Mild
* Liver	Hepatocyte	Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Lymph Node, Mandibular		Ectasia	Moderate
* Mammary Gland			
Note: TGL#1-12: Left Inguinal Mammary Gland Mass, Noted At Necropsy, Is Subcutaneous Fibroma Histopathologically.			
* Nose		Inflammation	Chronic Active, Marked
* Pituitary Gland	Pars Distalis	Cyst	Minimal
	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLS = 1-12: Fibroma, Subcutaneous Tissue]		
* Spleen		Fibrosis	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 69	TRT#: 3	SEX: Male	DAY ON TEST: 642
	DOSE: 0.06%	DISP: Moribund Sacrifice	HISTO: 9400319

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 3-1: Fibrosis, Marked]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]			
* Thymus		Cyst	Mild

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 70

TRT#: 3

SEX: Male

DAY ON TEST: 697

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400320

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Brain	* Esophagus	* 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	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
* Bone		Fibrous Osteodystrophy	Mild
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Epididymis		Granuloma Sperm	Mild
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 4-1: Nephropathy, Chronic, Marked]		
* Liver	Hepatocyte	Degeneration	Cystic, Mild
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Hepatocyte	Pigmentation	Hemosiderin, Mild
	[Leukemia Mononuclear TGLS = 3-4+5: Mononuclear Cell Leukemia]	Vacuolization Cytoplasmic	Minimal
* Lung		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 70

TRT#: 3

SEX: Male

DAY ON TEST: 697

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400320

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Mediastinal	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-12: Mononuclear Cell Leukemia, Renal]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
[Fibroadenoma TGLS = 6-13: Fibroadenoma]			
* Parathyroid Gland		Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
	Epithelium	Inflammation	Chronic Active, Marked
		Perforation	
[Perforation TGLS = 7-12: Perforation]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 71

TRT#: 3

SEX: Male

DAY ON TEST: 661

DOSE: 0.06%

DISP: Natural Death

HISTO: 9400321

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Moderate
* Bone		Fibrous Osteodystrophy	Marked
* Heart		Cardiomyopathy	Chronic, Moderate
		Mineralization	Moderate
* Intestine Large, Colon		Mineralization	Mild
* Intestine Large, Rectum		Mineralization	Mild
* Intestine Small, Duodenum		Mineralization	Mild
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 3-1: Nephropathy, Chronic, Marked]		
* Liver	Hepatocyte	Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Necrosis	Moderate
* Lung	Artery, Vein	Mineralization	Moderate
	Interstitium	Mineralization	Moderate
* Mammary Gland		Mineralization	Mild
* Parathyroid Gland		Hyperplasia	Marked
	[Hyperplasia TGLS = 4-7: Hyperplasia, Marked]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen		Fibrosarcoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 71

TRT#: 3

SEX: Male

DAY ON TEST: 661

DOSE: 0.06%

DISP: Natural Death

HISTO: 9400321

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosarcoma TGLS = 2-12: Fibrosarcoma]

* Stomach, Forestomach

Mineralization

Moderate

* Stomach, Glandular

Mineralization

Moderate

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

CONTRIBUTORY CAUSE OF DEATH

- Liver Hepatocyte Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 72

TRT#: 3

SEX: Male

DAY ON TEST: 669

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400322

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Pancreas
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration Hyperplasia	Fatty, Mild Mild
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Mild
* Bone		Fibrous Osteodystrophy	Marked
* Bone Marrow		Hyperplasia	Marked
* Heart		Leukemia Mononuclear Cardiomyopathy	Chronic, Moderate
* Kidney		Leukemia Mononuclear Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 1-1: Nephropathy, Chronic, Marked]		
* Liver	Hepatocyte Bile Duct	Degeneration Hyperplasia	Cystic, Minimal Minimal
* Lung		Leukemia Mononuclear Leukemia Mononuclear	
* Lymph Node, Mesenteric	Artery, Vein	Mineralization	Minimal
		Ectasia	Moderate
* Mammary Gland		Leukemia Mononuclear Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLS = 5-7: Hyperplasia, Cystic, Moderate]		
* Nose		Inflammation	Chronic Active, Mild
* Parathyroid Gland		Hyperplasia	Marked
	[Hyperplasia TGLS = 4-7: Hyperplasia, Marked]		
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 72	TRT#: 3 DOSE: 0.06%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 669 HISTO: 9400322
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ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-7: Adenoma, Pars Distalis]

* Preputial Gland

Hyperplasia
Inflammation

Mild
Chronic Active, Mild

Note: Only One Preputial Gland Available For Histopathological Examination.

* Prostate

Inflammation

Chronic Active, Marked

[Inflammation TGLS = 2-11: Inflammation, Chronic-Active, Marked]

* Spleen

Leukemia Mononuclear

* Stomach, Glandular

Mineralization

Mild

* Testes

Interstit Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma;Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 73

TRT#: 3

SEX: Male

DAY ON TEST: 635

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400323

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Mild
	Atrium	Thrombosis	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Hepatocyte	Necrosis	Minimal
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Leukemia Mononuclear TGLS = 5-4+5: Mononuclear Cell Leukemia]		
* Lung		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Pancreas	Acinus	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 73

TRT#: 3

SEX: Male

DAY ON TEST: 635

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400323

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Mild
[Cyst TGLS = 6-7: Cyst, Pars Distalis]			
* Preputial Gland		Hyperplasia	Mild
		Inflammation	Chronic Active, Marked
[Hyperplasia TGLS = 1-12: Hyperplasia, Mild]			
[Inflammation TGLS = 1-12: Inflammation, Chronic-Active, Marked]			
* Prostate		Inflammation	Chronic Active, Mild
* Skin		Inflammation	Chronic Active, Mild
Note: TGL#1-12: Skin Nodule, Documented At Necropsy, Is Inflamed, Hyperplastic Preputial Gland Histopathologically.			
[Inflammation TGLS = 2-12: Inflammation, Chronic-Active, Mild]			
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
[Fibrosis TGLS = 4-12: Fibrosis, Moderate]			
[Leukemia Mononuclear TGLS = 3-12: Mononuclear Cell Leukemia]			
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear
 CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 74

TRT#: 3

SEX: Male

DAY ON TEST: 609

DOSE: 0.06%

DISP: Natural Death

HISTO: 9400324

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Adrenal Medulla		Hemorrhage	Marked
	Bilateral	Pheochromocytoma Benign	
	[Hemorrhage TGLS = 4-7: Hemorrhage, Marked]		
	[Pheochromocytoma Benign TGLS = 4-7: Pheochromocytoma, Benign]		
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Moderate
	Atrium	Thrombosis	Mild
	[Thrombosis TGLS = 5-5: Thrombosis, Mild, Atrium]		
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver	Hepatocyte	Degeneration	Cystic, Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Hepatocyte	Pigmentation	Hemosiderin, Mild
	[Leukemia Mononuclear TGLS = 3-4+5: Mononuclear Cell Leukemia]	Vacuolization Cytoplasmic	Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 74	TRT#: 3 DOSE: 0.06%	SEX: Male DISP: Natural Death	DAY ON TEST: 609 HISTO: 9400324
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ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Inflammation	Chronic Active, Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
	Epithelium	Inflammation	Chronic Active, Moderate
	Epithelium	Ulcer	Marked
	[Ulcer TGLS = 6-12: Ulcer, Epithelium, Marked]		
* Stomach, Glandular	Epithelium	Necrosis	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1,2-10: Adenoma, Interstitial Cell, Bilateral]		
* Thyroid Gland	Follicle	Cyst	Mild

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Adrenal Medulla Hemorrhage;Heart Atrium Thrombosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 75

TRT#: 3

SEX: Male

DAY ON TEST: 670

DOSE: 0.06%

DISP: Natural Death

HISTO: 9400325

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Trachea

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Marked
* Bone		Fibrous Osteodystrophy	Marked
* Heart		Cardiomyopathy	Chronic, Moderate
		Mineralization	Mild
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 3-1: Nephropathy, Chronic, Marked]		
* Liver	Hepatocyte	Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Artery, Vein	Mineralization	Minimal
	Interstitium	Mineralization	Mild
* Nose		Inflammation	Chronic Active, Marked
* Parathyroid Gland		Hyperplasia	Moderate
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Fibrosis	Marked
	[Fibrosis TGLS = 2-12: Fibrosis, Marked]		
* Stomach, Forestomach		Mineralization	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 75	TRT#: 3 DOSE: 0.06%	SEX: Male DISP: Natural Death	DAY ON TEST: 670 HISTO: 9400325
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ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular		Mineralization	Mild
* Testes	Bilateral, Interstit Cell [Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]	Adenoma	
* Thyroid Gland	Follicular Cel [Carcinoma TGLS = 4-7: Carcinoma, Follicular Cell]	Carcinoma	
* Urinary Bladder		Inflammation	Suppurative, Mild

PRIMARY CAUSE OF DEATH	- Kidney Nephropathy
CONTRIBUTORY CAUSE OF DEATH	- Thyroid Gland Follicular Cel Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 76

TRT#: 3

SEX: Male

DAY ON TEST: 715

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400326

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Epididymis	* Esophagus	* 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	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Adrenal Medulla		Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Mild
* Bone		Fibrous Osteodystrophy	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Chronic, Moderate
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 4-1: Nephropathy, Chronic, Marked]		
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic, Minimal
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
	Note: TGL#3-2+3-NCL: Dark Red Discoloration, Documented At Necropsy, Due To Congestion.		
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Parathyroid Gland		Hyperplasia	Marked
	Note: Small Piece Of Parathyroid Gland Tissue Attached To Thymus On Slide 02.		
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Moderate
* Spleen		Fibrosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 76	TRT#: 3	SEX: Male	DAY ON TEST: 715
	DOSE: 0.06%	DISP: Moribund Sacrifice	HISTO: 9400326

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 2-12: Fibrosis, Mild]

* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
	Epithelium	Inflammation	Chronic Active, Marked
	Epithelium	Ulcer	Marked
* Stomach, Glandular		Mineralization	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]

PRIMARY CAUSE OF DEATH	- Kidney Nephropathy
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 77

TRT#: 3

SEX: Male

DAY ON TEST: 723

DOSE: 0.06%

DISP: Terminal Sacrifice

HISTO: 9400327

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* 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	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 5-1: Nephropathy, Chronic, Moderate]		
* Liver		Basophilic Focus	
	Hepatocyte	Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Leukemia Mononuclear TGLS = 4-4+5: Mononuclear Cell Leukemia]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
* Nose		Inflammation	Chronic Active, Mild
* Parathyroid Gland		Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 77	TRT#: 3 DOSE: 0.06%	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 723 HISTO: 9400327
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ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Fibrosis Leukemia Mononuclear	Mild
[Fibrosis TGLS = 3-12: Fibrosis, Mild]			
[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 78

TRT#: 3

SEX: Male

DAY ON TEST: 723

DOSE: 0.06%

DISP: Terminal Sacrifice

HISTO: 9400328

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* 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	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 4-1: Nephropathy, Chronic, Moderate]		
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Mixed Cell Focus	
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Hypertrophy TGLS = 3-13: Hypertrophy, Hepatocyte, Centrilobular, Mild]		
	[Vacuolization Cytoplasmic TGLS = 3-13: Vacuolization Cytoplasm, Hepatocyte, Mild]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolus	Mineralization	Minimal
	Artery, Vein	Hyperplasia	Cystic, Minimal
* Mammary Gland		Atrophy	Minimal
* Pancreas	Acinus	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Inflammation	Chronic Active, Mild
* Preputial Gland		Fibrosis	Mild
* Spleen			
	[Fibrosis TGLS = 2-12: Fibrosis, Mild]		
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 78

TRT#: 3

SEX: Male

DAY ON TEST: 723

DOSE: 0.06%

DISP: Terminal Sacrifice

HISTO: 9400328

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 79	TRT#: 3	SEX: Male	DAY ON TEST: 330
	DOSE: 0.06%	DISP: Natural Death	HISTO: 9400329

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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Necrosis	Mild
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Nose		Inflammation	Suppurative, Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen		Fibrosis	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 80 **TRT#:** 3 **SEX:** Male **DAY ON TEST:** 654
DOSE: 0.06% **DISP:** Natural Death **HISTO:** 9400330

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Prostate	* Salivary Glands	* Skin
* Spleen	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Marked
* Bone		Fibrous Osteodystrophy	Marked
* Heart		Cardiomyopathy	Chronic, Moderate
		Mineralization	Moderate
* Kidney	Renal Tubule	Adenoma	
		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 5-1: Nephropathy, Chronic, marked]		
* Liver	Centrilobular, Hepatocyte	Degeneration	Mild
	Hepatocyte	Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Artery, Vein	Mineralization	Mild
	Interstitium	Mineralization	Mild
* Parathyroid Gland		Hyperplasia	Marked
	Note: Some Hyperplastic Parathyroid Gland Tissue Attached To Thymus On Slide #02.		
	[Hyperplasia TGLS = 6-7: Hyperplasia, Marked]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Moderate
	[Inflammation TGLS = 1-12: Inflammation, Chronic-Active, Moderate]		
* Seminal Vesicle		Mineralization	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 80	TRT#: 3 DOSE: 0.06%	SEX: Male DISP: Natural Death	DAY ON TEST: 654 HISTO: 9400330
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ORGAN AND ACCOUNTABLE SITE STATUS

[Mineralization TGLS = 4-10: Mineralization, Mild]

* Skin

Note: TGL#2-13-NCL.

* Stomach, Forestomach

Mineralization

Moderate

* Stomach, Glandular

Mineralization

Moderate

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 3-10: Adenoma, Interstitial Cell, Bilateral]

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 81

TRT#: 3

SEX: Male

DAY ON TEST: 502

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400331

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* 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
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Hepatocyte	Necrosis	Moderate
* Lung		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
	Mediastinal	Leukemia Mononuclear	
		Leukemia Mononuclear	
	Acinus	Atrophy	Minimal
* Pancreas	Pars Distalis	Cyst	Minimal
* Pituitary Gland	Pars Intermed	Cyst	Minimal
	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 81	TRT#: 3	SEX: Male	DAY ON TEST: 502
	DOSE: 0.06%	DISP: Moribund Sacrifice	HISTO: 9400331

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]

* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 82

TRT#: 3

SEX: Male

DAY ON TEST: 723

DOSE: 0.06%

DISP: Terminal Sacrifice

HISTO: 9400332

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Brain	* Epididymis
* Esophagus	* 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
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone		Osteopetrosis	Mild
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Chronic, Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Chronic, Mild
* Liver	Hepatocyte	Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Skin		Hyperkeratosis	Moderate
	Epidermis	Hyperplasia	Mild
	[Hyperkeratosis TGLS = 1-12: Hyperkeratosis, Moderate]		
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 82

TRT#: 3

SEX: Male

DAY ON TEST: 723

DOSE: 0.06%

DISP: Terminal Sacrifice

HISTO: 9400332

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 83

TRT#: 3

SEX: Male

DAY ON TEST: 710

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400333

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 4-1: Nephropathy, Chronic, Moderate]		
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
	[Leukemia Mononuclear TGLS = 3-4+5: Mononuclear Cell Leukemia]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Ectasia	Moderate
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 83	TRT#: 3	SEX: Male	DAY ON TEST: 710
	DOSE: 0.06%	DISP: Moribund Sacrifice	HISTO: 9400333

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Inflammation	Chronic Active, Moderate
Note: Including Goblet Cells, Squamous Cell Metaplasia And Hyperkeratosis.			
Note: Lesion Involving The Nasal Cavity Consists Of Chronic-Active Inflammation Secondary To A Mass Of Fungal Hyphae, and Respiratory Hyperplasia			
[Inflammation TGLS = 5-12+13: Inflammation, Chronic-Active, Moderate]			
* Parathyroid Gland		Hyperplasia	Moderate
* Preputial Gland		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
* Spleen		Fibrosis	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell leukemia]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 84	TRT#: 3 DOSE: 0.06%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 544 HISTO: 9400334
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 5-11: Malignant Mesothelioma]			
* Heart		Cardiomyopathy	Chronic, Minimal
* Intestine Large, Colon		Mesothelioma Malignant	
* Intestine Small, Duodenum		Mesothelioma Malignant	
* Intestine Small, Ileum		Mesothelioma Malignant	
* Intestine Small, Jejunum		Mesothelioma Malignant	
* Kidney		Mesothelioma Malignant	
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
		Mesothelioma Malignant	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Mesentery		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 3-12: Malignant Mesothelioma]			
* Nose		Inflammation	Chronic Active, Moderate
* Pancreas		Mesothelioma Malignant	
Peritoneum		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 6-13: Malignant Mesothelioma]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Minimal
		Mesothelioma Malignant	
* Seminal Vesicle		Mesothelioma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 84	TRT#: 3 DOSE: 0.06%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 544 HISTO: 9400334
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ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Mild
		Mesothelioma Malignant	
* Stomach, Glandular		Mesothelioma Malignant	
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Mild
	Interstit Cell	Hyperplasia	Minimal
		Mesothelioma Malignant	
	[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell]		
	[Mesothelioma Malignant TGLS = 4-10: Malignant Mesothelioma]		
* Urinary Bladder		Mesothelioma Malignant	

PRIMARY CAUSE OF DEATH - Mesentery Mesothelioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 85

TRT#: 3

SEX: Male

DAY ON TEST: 697

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400335

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
* Adrenal Medulla		Hyperplasia	Minimal
* Bone		Fibrous Osteodystrophy	Mild
* Epididymis		Granuloma Sperm	Mild
* Intestine Small, Duodenum		Erosion	Mild
		Inflammation	Suppurative, Mild
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 3-1: Nephropathy, Chronic, Marked]		
* Liver	Hepatocyte	Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Necrosis	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Parathyroid Gland		Hyperplasia	Moderate
	[Hyperplasia TGLS = 4-7: Hyperplasia, Moderate]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Hyperplasia	Marked
		Inflammation	Chronic Active, Moderate
	[Hyperplasia TGLS = 1-11: Hyperplasia, Marked]		
	[Inflammation TGLS = 1-11: Inflammation, Chronic-Active, Moderate]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 85	TRT#: 3 DOSE: 0.06%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 697 HISTO: 9400335
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ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Fibrosis TGLS = 5-12: Fibrosis, Moderate]		Fibrosis	Moderate
* Stomach, Forestomach [Ulcer TGLS = 6-12: Ulcer, Epithelium, Marked]	Epithelium Epithelium Epithelium	Hyperplasia Inflammation Ulcer	Moderate Chronic Active, Moderate Marked
* Testes [Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH	- Kidney Nephropathy
CONTRIBUTORY CAUSE OF DEATH	- Stomach;Forestomach Epithelium Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 86

TRT#: 3

SEX: Male

DAY ON TEST: 635

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400336

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Adrenal Medulla		Hyperplasia	Minimal
Coagulating Gland		Inflammation	Chronic Active, Marked
* Heart		Cardiomyopathy	Chronic, Mild
* Intestine Small, Duodenum		Erosion	Moderate
		Inflammation	Suppurative, Mild
* Kidney		Nephropathy	Chronic, Moderate
[Nephropathy TGLS = 3-1: Nephropathy, Chronic, Moderate]			
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
		Pigmentation	Hemosiderin, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Moderate
* Spleen		Fibrosis	Moderate
[Fibrosis TGLS = 2-12: Fibrosis, Moderate]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
	Epithelium	Inflammation	Chronic Active, Moderate
	Epithelium	Ulcer	Marked
[Ulcer TGLS = 4-4+12: Ulcer, Epithelium, Marked]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 86	TRT#: 3	SEX: Male	DAY ON TEST: 635
	DOSE: 0.06%	DISP: Moribund Sacrifice	HISTO: 9400336

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
	[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell]		
	[Hyperplasia TGLS = 1-10: Hyperplasia, Interstitial Cell, Minimal]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 87

TRT#: 3

SEX: Male

DAY ON TEST: 709

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400337

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* 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	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 6-7: Pheochromocytoma, Benign]			
* Bone Marrow		Atrophy	Moderate
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
[Nephropathy TGLS = 8-1: Nephropathy, Chronic, Moderate]			
* Liver	Hepatocyte	Degeneration	Cystic, Moderate
		Hepatocellular Adenoma	Multiple
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Hyperplasia TGLS = 5-4+5: Hyperplasia, Bile Duct, Moderate]			
[Leukemia Mononuclear TGLS = 4-4+5: Mononuclear Cell Leukemia]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-2: Mononuclear Cell Leukemia]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Mild
* Preputial Gland		Inflammation	Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 87

TRT#: 3

SEX: Male

DAY ON TEST: 709

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400337

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL#1-11-NCL: Cyst, Documented At Necropsy, Not Apparent Histopathologically.

* Prostate

Leukemia Mononuclear

Inflammation

Chronic Active, Mild

* Skin

[Basosquamous Tumor Benign TGLS = 9-12: Basosquamous Tumor Benign]

Leukemia Mononuclear

Basosquamous Tumor Benign

* Spleen

[Leukemia Mononuclear TGLS = 3-1: Mononuclear Cell Leukemia]

Leukemia Mononuclear

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 88

TRT#: 3

SEX: Male

DAY ON TEST: 619

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400338

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone		Fibrous Osteodystrophy	Marked
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 1-1: Nephropathy, Chronic, Moderate]		
* Liver		Basophilic Focus	
	Hepatocyte	Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Inflammation TGLS = 3-4+5: Inflammation, Chronic, Mild]		
* Lung	Artery, Vein	Mineralization	Minimal
* Nose		Inflammation	Chronic Active, Minimal
* Parathyroid Gland		Hyperplasia	Moderate
	[Hyperplasia TGLS = 4-7: Hyperplasia, Moderate]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Stomach, Glandular		Mineralization	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]		

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 89

TRT#: 3

SEX: Male

DAY ON TEST: 627

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400339

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration Hypertrophy Leukemia Mononuclear	Fatty, Mild Mild
* Adrenal Medulla		Hyperplasia Leukemia Mononuclear Pheochromocytoma Benign	Mild
* Bone Marrow		Hyperplasia Leukemia Mononuclear	Marked
* Heart		Cardiomyopathy Leukemia Mononuclear	Chronic, Minimal
	Atrium	Thrombosis	Moderate
	[Thrombosis TGLS = 8-5: Thrombosis, Atrium, Moderate]		
* Kidney		Leukemia Mononuclear Nephropathy	Chronic, Mild
	[Leukemia Mononuclear TGLS = 4-1: Mononuclear Cell leukemia]		
* Liver	Hepatocyte	Degeneration Eosinophilic Focus Hyperplasia Leukemia Mononuclear	Cystic, Minimal Moderate Moderate
	Bile Duct		
	[Eosinophilic Focus TGLS = 5,6,7-12+5+4]		
	[Leukemia Mononuclear TGLS = 5-12: Mononuclear Cell Leukemia]		
* Lung	Artery, Vein	Leukemia Mononuclear Mineralization	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 89 **TRT#:** 3 **SEX:** Male **DAY ON TEST:** 627
DOSE: 0.06% **DISP:** Moribund Sacrifice **HISTO:** 9400339

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Artery	Thrombosis	Mild
	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose		Inflammation	Suppurative, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
[Adenoma TGLS = 3-7: Adenoma, Pars Distalis]			
* Preputial Gland		Hyperplasia	Moderate
		Inflammation	Chronic Active, Mild
[Hyperplasia TGLS = 9-11: Hyperplasia, Moderate]			
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-13: Mononuclear Cell Leukemia]			
* Testes	Interstit Cell	Adenoma	
Note: TGL#2-10: Interstitial Cell Adenoma Involves Only One Testicle Histopathologically.			
[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 90

TRT#: 3

SEX: Male

DAY ON TEST: 526

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400340

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone		Osteopetrosis	Mild
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 91

TRT#: 3

SEX: Male

DAY ON TEST: 703

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400341

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Mild
		Leukemia Mononuclear	
* Intestine Small, Jejunum		Leiomyosarcoma	
	[Leiomyosarcoma TGLS = 7-13: Leiomyosarcoma]		
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 5-1: Nephropathy, Chronic, Marked]		
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
	[Leukemia Mononuclear TGLS = 3,8-4+5]		
* Lung	Artery, Vein	Leukemia Mononuclear	
		Mineralization	Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 91	TRT#: 3 DOSE: 0.06%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 703 HISTO: 9400341
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ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 4-13: Fibroadenoma]			
* Nose		Inflammation	Chronic Active, Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
[Fibrosis TGLS = 6-12: Fibrosis, Moderate]			
[Leukemia Mononuclear TGLS = 1-12: Mononuclear Cell Leukemia]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]			

PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Intestine Small;Jejunum	Leiomyosarcoma;Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 92

TRT#: 3

SEX: Male

DAY ON TEST: 712

DOSE: 0.06%

DISP: Natural Death

HISTO: 9400342

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage	Marked
		Leukemia Mononuclear	
	[Hemorrhage TGLS = 5-6: Hemorrhage, Marked]		
* Heart		Cardiomyopathy	Chronic, Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 3-1: Nephropathy, Chronic, Moderate]		
* Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
* Lung	Hepatocyte	Vacuolization Cytoplasmic	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-13: Mononuclear Cell Leukemia]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 92	TRT#: 3	SEX: Male	DAY ON TEST: 712
	DOSE: 0.06%	DISP: Natural Death	HISTO: 9400342

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
	Epithelium	Inflammation	Chronic Active, Marked
		Leukemia Mononuclear	
	Epithelium	Ulcer	Marked
	[Ulcer TGLS = 6-12: Ulcer, Epithelium, Marked]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]		

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Brain Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 93

TRT#: 3
DOSE: 0.06%

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 542
HISTO: 9400343

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Islets, Pancreatic	* Salivary Glands	* Skin	* Stomach, Glandular
* Trachea			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Marked
		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Intestine Small, Jejunum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-1: Mononuclear Cell Leukemia]		
* Liver	Bile Duct	Hyperplasia	Moderate
		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
	Hepatocyte	Necrosis	Mild
	[Leukemia Mononuclear TGLS = 5-4+5: Mononuclear Cell Leukemia]		
* Lung		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Inguinal	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
		Leukemia Mononuclear	

Note: Axillary Lymph Node

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 93

TRT#: 3

SEX: Male

DAY ON TEST: 542

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400343

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 10-13: Mononuclear Cell Leukemia, Axillary]			
[Leukemia Mononuclear TGLS = 9-14: Mononuclear Cell Leukemia, Lumbar]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-15: Mononuclear Cell Leukemia]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-16: Mononuclear Cell Leukemia]			
* Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery	Fat	Leukemia Mononuclear	
* Nose		Inflammation	Suppurative, Moderate
		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-4: Mononuclear Cell Leukemia]			
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
* Prostate		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-12: Mononuclear Cell Leukemia]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-2: Mononuclear Cell Leukemia]			
* Thyroid Gland		Leukemia Mononuclear	
Tooth	Dentine	Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 94	TRT#: 3	SEX: Male	DAY ON TEST: 683
	DOSE: 0.06%	DISP: Moribund Sacrifice	HISTO: 9400344

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Salivary Glands
* Skin	* Stomach, Glandular	* Trachea	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Marked
		Leukemia Mononuclear	
* Bone	Tibia	Osteosarcoma	
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
		[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]	
		[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Moderate]	
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 94

TRT#: 3

SEX: Male

DAY ON TEST: 683

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400344

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 8-12: Mononuclear Cell Leukemia, Deep Cervical]

[Leukemia Mononuclear TGLS = 7-14: Mononuclear Cell Leukemia, Hepatic]

[Leukemia Mononuclear TGLS = 5-2: Mononuclear Cell Leukemia, Mediastinal]

[Leukemia Mononuclear TGLS = 9-13: Mononuclear Cell Leukemia, Lumbar]

* Lymph Node, Mandibular

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 4-6: Mononuclear Cell Leukemia]

* Lymph Node, Mesenteric

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 6-4: Mononuclear Cell Leukemia]

* Mammary Gland

Hyperplasia

Cystic, Mild

* Nose

Inflammation

Chronic Active, Mild

* Pancreas

Acinus

Atrophy

Minimal

Leukemia Mononuclear

* Parathyroid Gland

Note: TGL#10-7-NCL:Enlarged Left Parathyroid Gland, Documented At Necropsy, Not Demonstrated Histopathologically (Missing).

* Pituitary Gland

Pars Distalis

Adenoma

Leukemia Mononuclear

[Adenoma TGLS = 11-7: Adenoma, Pars Distalis]

* Preputial Gland

Leukemia Mononuclear

* Prostate

Leukemia Mononuclear

* Seminal Vesicle

Leukemia Mononuclear

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 1-12: Mononuclear Cell leukemia]

* Stomach, Forestomach

Epithelium

Hyperplasia

Mild

Epithelium

Inflammation

Chronic Active, Moderate

Perforation

[Perforation TGLS = 12-4+13: Perforation]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 3-10: Adenoma, Interstitial Cell, Bilateral]

* Thymus

Leukemia Mononuclear

* Thyroid Gland

C Cell

Hyperplasia

Minimal

* Urinary Bladder

Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 94

TRT#: 3

SEX: Male

DAY ON TEST: 683

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400344

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Kidney Nephropathy;Pituitary Gland Pars Distalis Adenoma;Stomach;Forestomach Perforation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 95

TRT#: 3

SEX: Male

DAY ON TEST: 673

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400345

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* 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
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Mild
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Cyst Nephropathy	Mild Chronic, Mild
	[Cyst TGLS = 5-12: Cyst, Mild]		
	[Nephropathy TGLS = 4-1: Nephropathy, Chronic, Mild]		
* Liver	Hepatocyte Bile Duct Centrilobular, Hepatocyte	Degeneration Hyperplasia Hypertrophy Inflammation	Cystic, Mild Mild Minimal Chronic, Minimal
	Hepatocyte	Necrosis	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung	Artery, Vein	Mineralization	Minimal
* Parathyroid Gland			
	Note: TGL#6-7-NCL: Parathyroid Glands Considered To Be Within Normal Limits Histopathologically		
* Preputial Gland		Adenoma	
	[Adenoma TGLS = 1-13: Adenoma]		
* Spleen		Fibrosis Hematopoietic Cell Proliferation	Moderate Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 95	TRT#: 3	SEX: Male	DAY ON TEST: 673
	DOSE: 0.06%	DISP: Moribund Sacrifice	HISTO: 9400345

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 2-12: Fibrosis, Moderate]
[Hematopoietic Cell Proliferation TGLS = 2-12: Hematopoietic Cell Proliferation, Moderate]

* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 3-10: Adenoma, Interstitial Cell, Bilateral]		
* Thyroid Gland	Follicular Cel	Adenoma	
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	- Kidney Nephropathy
CONTRIBUTORY CAUSE OF DEATH	- Preputial Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 96

TRT#: 3

SEX: Male

DAY ON TEST: 674

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400346

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney	Renal Tubule	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 5-1: Nephropathy, Chronic, Marked]		
* Liver	Hepatocyte	Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Hepatocyte	Pigmentation	Hemosiderin, Minimal
* Lung		Vacuolization Cytoplasmic	Mild
	Artery, Vein	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-13: Mononuclear Cell Leukemia]	Mineralization	Minimal
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Ectasia	Mild
		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Nose		Inflammation	Suppurative, Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 96

TRT#: 3

SEX: Male

DAY ON TEST: 674

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400346

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 6-7: Hyperplasia, Mild]

* Pituitary Gland

Pars Distalis

Adenoma

Leukemia Mononuclear

[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]

* Preputial Gland

Inflammation

Chronic Active, Mild

* Prostate

Inflammation

Chronic Active, Mild

* Spleen

Fibrosis

Mild

Leukemia Mononuclear

[Fibrosis TGLS = 4-12: Fibrosis, Mild]

[Leukemia Mononuclear TGLS = 3-1: Mononuclear Cell Leukemia]

* Stomach, Forestomach

Epithelium

Hyperplasia

Mild

Epithelium

Inflammation

Chronic Active, Minimal

* Testes

Interstit Cell

Adenoma

[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell]

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Kidney Nephropathy; Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 97

TRT#: 3

SEX: Male

DAY ON TEST: 583

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400347

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Pancreas
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
		Pheochromocytoma Malignant	
[Pheochromocytoma Benign TGLS = 5-7]			
* Bone Marrow		Hyperplasia	Moderate
* Heart		Leukemia Mononuclear	
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
[Hepatodiaphragmatic Nodule TGLS = 3-5: Hepatodiaphragmatic Nodule]			
[Leukemia Mononuclear TGLS = 4-4+5: Mononuclear Cell Leukemia]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 97

TRT#: 3

SEX: Male

DAY ON TEST: 583

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400347

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric

Leukemia Mononuclear

* Mammary Gland

Adenoma

Hyperplasia

Cystic, Mild

* Nose

Inflammation

Suppurative, Moderate

* Pituitary Gland

Pars Distalis

Adenoma

Pars Distalis

Hyperplasia

Mild

Leukemia Mononuclear

* Preputial Gland

Inflammation

Chronic Active, Minimal

* Spleen

Fibrosis

Moderate

Leukemia Mononuclear

[Fibrosis TGLS = 2-12: Fibrosis, Moderate]

[Leukemia Mononuclear TGLS = 1-12: Mononuclear Cell Leukemia]

* Testes

Interstit Cell

Adenoma

Interstit Cell

Hyperplasia

Minimal

[Adenoma TGLS = 6-10: Adenoma, Interstitial Cell]

[Hyperplasia TGLS = 6-10: Hyperplasia, Interstitial Cell, Minimal]

* Thyroid Gland

Bilateral, C Cell

Adenoma

[Adenoma TGLS = 7-7: Adenoma, C Cell, Bilateral]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Kidney Nephropathy; Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 98

TRT#: 3

SEX: Male

DAY ON TEST: 674

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400348

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* 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
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration Hyperplasia Leukemia Mononuclear	Fatty, Minimal Minimal
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow	Bilateral	Pheochromocytoma Benign Hyperplasia Leukemia Mononuclear	Moderate
* Heart		Cardiomyopathy	Chronic, Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Leukemia Mononuclear Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 3-1+12: Nephropathy, Chronic, Marked]		
* Liver	Hepatocyte Bile Duct	Degeneration Hyperplasia Inflammation Leukemia Mononuclear	Cystic, Mild Mild Chronic, Minimal
* Lung	Hepatocyte	Vacuolization Cytoplasmic Leukemia Mononuclear	Mild
* Parathyroid Gland	Artery, Vein	Mineralization	Minimal
* Pituitary Gland	Pars Distalis Pars Intermed	Hyperplasia Cyst Cyst	Moderate Mild Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 98	TRT#: 3 DOSE: 0.06%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 674 HISTO: 9400348
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ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland	Leukemia Mononuclear	Chronic Active, Mild
* Prostate	Inflammation	Chronic Active, Minimal
* Spleen	Inflammation	Moderate
	Fibrosis	
	Leukemia Mononuclear	
[Fibrosis TGLS = 2-12: Fibrosis, Moderate]		
[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell leukemia]		
* Testes	Bilateral, Interstit Cell	Adenoma
[Adenoma TGLS = 4-10: Adenoma, Interstitial Cell, Bilateral]		

PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Kidney	Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 99

TRT#: 3

SEX: Male

DAY ON TEST: 503

DOSE: 0.06%

DISP: Natural Death

HISTO: 9400349

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* 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
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver		Eosinophilic Focus	Moderate
	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Leukemia Mononuclear	
		Necrosis	Mild
	[Leukemia Mononuclear TGLS = 3-4+5: Mononuclear Cell Leukemia]		
* Lung	Artery, Vein	Mineralization	Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Nose		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-12: Mononuclear Cell Leukemia]		
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 99	TRT#: 3 DOSE: 0.06%	SEX: Male DISP: Natural Death	DAY ON TEST: 503 HISTO: 9400349
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ORGAN AND ACCOUNTABLE SITE STATUS

Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell] [Hyperplasia TGLS = 2-10: Hyperplasia, Interstitial Cell, Minimal]		
* Thyroid Gland	Follicle	Cyst
Mild		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 100

TRT#: 3

SEX: Male

DAY ON TEST: 723

DOSE: 0.06%

DISP: Terminal Sacrifice

HISTO: 9400350

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
* Liver		Basophilic Focus	
	Hepatocyte	Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Hypertrophy TGLS = 4-4+5:Hypertrophy,Hepatocyte,Centrilobular,Mild]		
	[Vacuolization Cytoplasmic TGLS = 4-4+5:Vacuolization,Cytoplasm,Hepatocyte,Mild]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 100

TRT#: 3

SEX: Male

DAY ON TEST: 723

DOSE: 0.06%

DISP: Terminal Sacrifice

HISTO: 9400350

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 1,2-12+13: Necrosis, Fat, Marked]

* Pancreas	Artery	Inflammation	Chronic Active, Marked
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 3-10: Adenoma, Interstitial Cell, Bilateral]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 101

TRT#: 5

SEX: Male

DAY ON TEST: 529

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400201

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* 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	Mesentery
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 4-1: Nephropathy, Chronic, Moderate]		
* Liver	Hepatocyte	Degeneration	Cystic, Minimal
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[Vacuolization Cytoplasmic TGLS = 3-4+5: Vacuolization Cytoplasm, Hepatocyte, Moderate]		
* Lung		Hemangiosarcoma	Metastatic (Skin)
	Artery, Vein	Mineralization	Minimal
	[Hemangiosarcoma TGLS = 5,6-13+2+3: Hemangiosarcoma, Metastatic, From Skin]		
Mesentery			
	Note: TGL#8-14-NCL: Red Focus, Observed At Necropsy, Is Normal Appearing Vascular Plexus Histopathologically.		
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 101	TRT#: 5 DOSE: 0.13%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 529 HISTO: 9400201
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ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Hemangiosarcoma TGLS = 7-12: Hemangiosarcoma, Subcutaneous Tissue]	Subcut Tiss	Hemangiosarcoma	
* Spleen [Hematopoietic Cell Proliferation TGLS = 2-1: Hematopoietic Cell Proliferation, Mild]		Hematopoietic Cell Proliferation	Mild
* Testes [Hyperplasia TGLS = 9-10: Hyperplasia, Interstitial Cell, Mild]	Interstit Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell Follicular Cel	Adenoma Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Hemangiosarcoma
CONTRIBUTORY CAUSE OF DEATH - Lung Hemangiosarcoma Skin

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 102

TRT#: 5

SEX: Male

DAY ON TEST: 589

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400202

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* 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	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
		Hyperplasia	Marked
* Heart		Leukemia Mononuclear	
		Cardiomyopathy	Chronic, Mild
* Kidney		Leukemia Mononuclear	
		Leukemia Mononuclear	
* Liver	Hepatocyte	Nephropathy	Chronic, Mild
		Degeneration	Cystic, Moderate
	Bile Duct	Eosinophilic Focus	
		Hyperplasia	Moderate
	Hepatocyte	Leukemia Mononuclear	
* Lung		Necrosis	Mild
	Artery, Vein	Leukemia Mononuclear	
	Mediastinal	Mineralization	Minimal
Lymph Node		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-12: Mononuclear Cell leukemia]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic Active, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 102	TRT#: 5 DOSE: 0.13%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 589 HISTO: 9400202
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ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate	Inflammation	Chronic Active, Mild
* Spleen [Leukemia Mononuclear TGLS = 1-12: Mononuclear Cell Leukemia]	Leukemia Mononuclear	
* Testes [Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]	Adenoma	
* Urinary Bladder	Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 103

TRT#: 5

SEX: Male

DAY ON TEST: 641

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400203

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Bone		Fibrous Osteodystrophy	Marked
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 3-1: Nephropathy, Chronic, Marked]		
* Liver	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Parathyroid Gland		Hyperplasia	Moderate
	[Hyperplasia TGLS = 4-7: Hyperplasia, Moderate]		
* Pituitary Gland	Pars Intermed	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Skin	Pinna, Subcut Tiss	Melanoma Benign	
	[Melanoma Benign TGLS = 1-12]		
* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 103

TRT#: 5
DOSE: 0.13%

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 641
HISTO: 9400203

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

CONTRIBUTORY CAUSE OF DEATH

- Skin Pinna Subcut Tiss Melanoma Benign;Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 104

TRT#: 5

SEX: Male

DAY ON TEST: 576

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400204

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Brain	* Epididymis
* Esophagus	* 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
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign Pheochromocytoma Malignant	
	[Pheochromocytoma Benign TGLS = 3,4-7]		
	[Pheochromocytoma Malignant TGLS = 3,4-7]		
* Bone		Fibrous Osteodystrophy	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Marked]		
* Liver	Hepatocyte	Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
* Lung	Alveolus	Hemorrhage	Mild
	Alveolar Epith	Hyperplasia	Mild
	Artery, Vein	Mineralization	Minimal
	Interstitial	Mineralization	Mild
	[Hemorrhage TGLS = 6-2: Hemorrhage, Alveolus, Mild]		
	[Hyperplasia TGLS = 6-2: Hyperplasia, Alveolar Epithelium, Mild]		
* Mammary Gland		Hyperplasia	Cystic, Mild
* Parathyroid Gland		Hyperplasia	Mild
	[Hyperplasia TGLS = 7-7: Hyperplasia, Mild]		
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 104	TRT#: 5 DOSE: 0.13%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 576 HISTO: 9400204
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ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Chronic Active, Mild
* Skin	Subcut Tiss	Fibrosarcoma	
	[Fibrosarcoma TGLS = 1-12: Fibrosarcoma, Subcutaneous Tissue]		
* Spleen		Hematopoietic Cell Proliferation	Mild
	[Hematopoietic Cell Proliferation TGLS = 5-1: Hematopoietic Cell Proliferation, Mild]		
* Stomach, Glandular		Mineralization	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 8-10: Adenoma, Interstitial Cell, Bilateral]		
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH	- Kidney Nephropathy
CONTRIBUTORY CAUSE OF DEATH	- Adrenal Medulla Pheochromocytoma Benign;Pituitary Gland Pars Distalis Adenoma;Skin Subcut Tiss Fibrosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 105

TRT#: 5

SEX: Male

DAY ON TEST: 619

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400205

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Minimal
* Bone		Fibrous Osteodystrophy	Marked
* Heart		Cardiomyopathy	Chronic, Moderate
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Marked]		
* Liver	Hepatocyte	Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung		Inflammation	Chronic Active, Mild
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Mild
* Stomach, Glandular		Mineralization	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]		

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 106

TRT#: 5

SEX: Male

DAY ON TEST: 691

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400206

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* 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	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Chronic, Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Cyst	Mild
		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Marked]		
* Liver	Hepatocyte	Degeneration	Cystic, Mild
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Mild
		Pigmentation	Hemosiderin, Mild
	[Hepatodiaphragmatic Nodule TGLS = 4-12: Hepatodiaphragmatic Nodule]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
Mesentery		Hemorrhage	Marked
		Inflammation	Chronic Active, Moderate
* Parathyroid Gland		Hyperplasia	Mild
	[Hyperplasia TGLS = 6-7: Hyperplasia, Mild]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 106	TRT#: 5 DOSE: 0.13%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 691 HISTO: 9400206
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Chronic Active, Mild
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 3-13: Malignant Lymphoma]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]			
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLS = 5-7: Adenoma, C Cell]			

PRIMARY CAUSE OF DEATH	- Kidney Nephropathy
CONTRIBUTORY CAUSE OF DEATH	- Spleen Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 107

TRT#: 5

SEX: Male

DAY ON TEST: 683

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400207

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* 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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Marked
* Adrenal Medulla		Hyperplasia	Moderate
		Pheochromocytoma Benign	
* Bone		Fibrous Osteodystrophy	Mild
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 3-1: Nephropathy, Chronic, Marked]		
* Liver	Hepatocyte	Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-12: Fibroadenoma]		
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Moderate
* Parathyroid Gland		Hyperplasia	Moderate
	[Hyperplasia TGLS = 5-7: Hyperplasia, Moderate]		
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 107	TRT#: 5	SEX: Male	DAY ON TEST: 683
	DOSE: 0.13%	DISP: Moribund Sacrifice	HISTO: 9400207

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Hyperplasia	Marked
	Epithelium	Inflammation	Chronic Active, Marked
		Perforation	
	Epithelium	Ulcer	Marked
	[Perforation TGLS = 4-13: Perforation]		
	[Ulcer TGLS = 6-12: Ulcer, Epithelium, Marked]		
* Stomach, Glandular	Epithelium	Necrosis	Mild
* Testes	Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell]		

PRIMARY CAUSE OF DEATH	- Kidney Nephropathy
CONTRIBUTORY CAUSE OF DEATH	- Mammary Gland Fibroadenoma; Pituitary Gland Pars Distalis Adenoma; Stomach; Forestomach Perforation; Stomach; Forestomach Epithelium Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 108

TRT#: 5

SEX: Male

DAY ON TEST: 667

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400208

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* 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
* Salivary Glands	* Stomach, Glandular	* Trachea	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
		Pheochromocytoma Benign	
	[Pheochromocytoma Benign TGLS = 3-7: Pheochromocytoma, Benign]		
* Bone Marrow		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Lung		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
	[Leukemia Mononuclear TGLS = 5-2+3: Mononuclear Cell leukemia]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 108

TRT#: 5
DOSE: 0.13%

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 667
HISTO: 9400208

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Some Prostate Gland Also On Slide #10

* Seminal Vesicle		Leukemia Mononuclear	
* Skin		Inflammation	Chronic Active, Moderate
	[Inflammation TGLS = 1-12: Inflammation, Chronic-Active, Moderate]		
* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
	Epithelium	Inflammation	Chronic Active, Moderate
	Epithelium	Ulcer	Marked
	[Hyperplasia TGLS = 6-12: Hyperplasia, Epithelium, Moderate]		
	[Ulcer TGLS = 6-12: Ulcer, Epithelium, Marked]		
* Testes	Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell]		
* Thyroid Gland	Follicular Cel	Carcinoma	
	C Cell	Hyperplasia	Minimal
	[Carcinoma TGLS = 4-7: Carcinoma, Follicular Cell]		
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH - Thyroid Gland Follicular Cel Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 109

TRT#: 5

SEX: Male

DAY ON TEST: 668

DOSE: 0.13%

DISP: Natural Death

HISTO: 9400209

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Epididymis	* Esophagus	* 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
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 5-7: Pheochromocytoma, Benign]			
Blood Vessel	Aorta	Mineralization	Moderate
* Bone		Fibrous Osteodystrophy	Moderate
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Chronic, Moderate
		Mineralization	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 9-1: Nephropathy, Chronic, Marked]			
* Liver	Hepatocyte	Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-4+5: Mononuclear Cell leukemia]		Vacuolization Cytoplasmic	Mild
* Lung		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
[Leukemia Mononuclear TGLS = 7-2+3: Mononuclear Cell Leukemia]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-2: Mononuclear Cell Leukemia, Mediastinal]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Inflammation	Suppurative, Mild
* Parathyroid Gland		Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 109

TRT#: 5

SEX: Male

DAY ON TEST: 668

DOSE: 0.13%

DISP: Natural Death

HISTO: 9400209

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 10-7: Hyperplasia, Moderate]

* Preputial Gland

Inflammation

Chronic Active, Marked

[Inflammation TGLS = 1-12: Inflammation, Chronic-Active, Marked]

* Prostate

Inflammation

Chronic Active, Mild

* Seminal Vesicle

Mineralization

Mild

* Spleen

Leukemia Mononuclear

Note: TGL#8-12-NCL: Focus, Noted At Trim, Is Area Of Autolysis/Uneven Fixation Histopathologically.

[Leukemia Mononuclear TGLS = 3-1: Mononuclear Cell leukemia]

* Stomach, Forestomach

Mineralization

Moderate

* Stomach, Glandular

Mineralization

Moderate

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 110

TRT#: 5

SEX: Male

DAY ON TEST: 723

DOSE: 0.13%

DISP: Terminal Sacrifice

HISTO: 9400210

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* 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	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Leukemia Mononuclear	
	[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Moderate]	Nephropathy	Chronic, Moderate
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
* Lung	Hepatocyte	Vacuolization Cytoplasmic	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
* Nose		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland		Inflammation	Chronic Active, Moderate
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-1: Mononuclear Cell Leukemia]		
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 110

TRT#: 5

SEX: Male

DAY ON TEST: 723

DOSE: 0.13%

DISP: Terminal Sacrifice

HISTO: 9400210

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 111

TRT#: 5

SEX: Male

DAY ON TEST: 632

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400211

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* 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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Adrenal Medulla		Hyperplasia	Minimal
	[Pheochromocytoma Benign TGLS = 3-7: Pheochromocytoma, Benign]	Pheochromocytoma Benign	
* Bone		Fibrous Osteodystrophy	Mild
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Marked]		
* Liver	Hepatocyte	Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Parathyroid Gland		Hyperplasia	Moderate
	[Hyperplasia TGLS = 4-7: Hyperplasia, Moderate]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
	Epithelium	Inflammation	Chronic Active, Marked
	Epithelium	Ulcer	Marked
* Stomach, Glandular		Mineralization	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 111	TRT#: 5 DOSE: 0.13%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 632 HISTO: 9400211
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ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]	Bilateral, Interstit Cell	Adenoma
* Thyroid Gland	C Cell	Carcinoma

PRIMARY CAUSE OF DEATH	- Kidney Nephropathy
CONTRIBUTORY CAUSE OF DEATH	- Adrenal Medulla Pheochromocytoma Benign

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 112

TRT#: 5

SEX: Male

DAY ON TEST: 641

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400212

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone		Fibrous Osteodystrophy	Marked
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Marked]		
* Liver	Hepatocyte	Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Moderate
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Parathyroid Gland		Hyperplasia	Moderate
	[Hyperplasia TGLS = 3-7: Hyperplasia, Moderate]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Hyperplasia	Minimal
		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]		
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 113

TRT#: 5
DOSE: 0.13%

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 562
HISTO: 9400213

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone		Fibrous Osteodystrophy	Marked
* Bone Marrow		Hyperplasia	Moderate
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver	Bile Duct	Nephropathy	Chronic, Mild
		Hyperplasia	Moderate
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
		[Leukemia Mononuclear TGLS = 3-4+5: Mononuclear Cell Leukemia]	
* Lung	Artery, Vein	Leukemia Mononuclear	
	Mediastinal	Mineralization	Minimal
Lymph Node		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Nose		Inflammation	Chronic Active, Mild
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]	
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 113

TRT#: 5
DOSE: 0.13%

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 562
HISTO: 9400213

ORGAN AND ACCOUNTABLE SITE STATUS

Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell]		
[Hyperplasia TGLS = 2-10: Hyperplasia, Interstitial Cell, Minimal]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 114

TRT#: 5
DOSE: 0.13%

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 558
HISTO: 9400214

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Epididymis	* Esophagus
* 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	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Brain		Hemorrhage	Moderate
		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
[Leukemia Mononuclear TGLS = 5-1: Mononuclear Cell Leukemia]			
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-4+5: Mononuclear Cell Leukemia]			
* Lung	Artery, Vein	Leukemia Mononuclear	
		Mineralization	Minimal
		Squamous Cell Carcinoma	
[Leukemia Mononuclear TGLS = 7,8-12+3: Mononuclear Cell Leukemia]			
[Squamous Cell Carcinoma TGLS = 7-12: Squamous Cell Carcinoma]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 114	TRT#: 5 DOSE: 0.13%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 558 HISTO: 9400214
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ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland [Cyst TGLS = 3-11: Cyst, Marked]	Cyst Inflammation	Marked Chronic Active, Mild
* Prostate	Inflammation	Chronic Active, Minimal
* Spleen [Accessory Spleen TGLS = 2-12: Accessory Spleen] [Leukemia Mononuclear TGLS = 1-12: Mononuclear Cell Leukemia]	Accessory Spleen Leukemia Mononuclear	
* Testes [Adenoma TGLS = 4-10: Adenoma, Interstitial Cell, Bilateral]	Bilateral, Interstit Cell Adenoma	

PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Kidney	Nephropathy;Lung Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 115

TRT#: 5

SEX: Male

DAY ON TEST: 585

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400215

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* 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	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
	[Leukemia Mononuclear TGLS = 9,10-1: Mononuclear Cell leukemia]		
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[Leukemia Mononuclear TGLS = 11-4+5: Mononuclear Cell leukemia]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-12: Mononuclear Cell Leukemia]		
	[Leukemia Mononuclear TGLS = 6-14: Mononuclear Cell Leukemia]		
	[Leukemia Mononuclear TGLS = 8-15: Mononuclear Cell leukemia]		
* Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 115

TRT#: 5

SEX: Male

DAY ON TEST: 585

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400215

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 5-6: Mononuclear Cell leukemia]

* Lymph Node, Mesenteric

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 4-13: Mononuclear Cell Leukemia]

* Mammary Gland

Hyperplasia

Cystic, Mild

Mesentery

Fat

Leukemia Mononuclear

* Pancreas

Leukemia Mononuclear

* Pituitary Gland

Pars Distalis

Hyperplasia

Minimal

Leukemia Mononuclear

* Preputial Gland

Inflammation

Chronic Active, Mild

* Prostate

Inflammation

Chronic Active, Minimal

* Spleen

Leukemia Mononuclear

Note: TGL#3-1-NCL: Depressed Deformity, Documented At Necropsy, Not Demonstrated Histopathologically.

[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]

* Stomach, Forestomach

Epithelium

Hyperplasia

Mild

Epithelium

Inflammation

Chronic Active, Moderate

Epithelium

Ulcer

Marked

* Testes

Interstit Cell

Adenoma

Interstit Cell

Hyperplasia

Minimal

[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell]

[Hyperplasia TGLS = 1-10: Hyperplasia, Interstitial Cell, Minimal]

* Thymus

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 12-12: Mononuclear Cell leukemia]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 116

TRT#: 5

SEX: Male

DAY ON TEST: 551

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400216

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Brain	* Epididymis	* Esophagus
* 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	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone		Fibrous Osteodystrophy	Marked
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney	Renal Tubule	Hyperplasia	Moderate
		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 1-1: Nephropathy, Chronic, Marked]		
* Liver	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
	[Alveolar/Bronchiolar Carcinoma TGLS = 3-12]		
* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Chronic Active, Moderate
* Prostate		Inflammation	Chronic Active, Mild
* Stomach, Glandular		Mineralization	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 116

TRT#: 5

SEX: Male

DAY ON TEST: 551

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400216

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

CONTRIBUTORY CAUSE OF DEATH

- Lung Alveolar/Bronchiolar Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 117

TRT#: 5

SEX: Male

DAY ON TEST: 683

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400217

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Brain	* Epididymis	* Esophagus
* 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	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Bone		Fibrous Osteodystrophy	Marked
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Cyst	Mild
		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 1-1: Nephropathy, Chronic, Marked]		
* Liver	Hepatocyte	Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Moderate
	[Hyperplasia TGLS = 3-7: Hyperplasia, Moderate]		
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen		Fibrosis	Mild
	[Fibrosis TGLS = 2-12: Fibrosis, Mild]		
* Testes	Germinal Epith	Degeneration	Mild
	Interstit Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 117

TRT#: 5
DOSE: 0.13%

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 683
HISTO: 9400217

ORGAN AND ACCOUNTABLE SITE STATUS

[Degeneration TGLS = 5-10: Degeneration, Germinal Epithelium, Mild]

* Urinary Bladder

Papilloma

[Papilloma TGLS = 4-12: Papilloma]

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 118

TRT#: 5

DOSE: 0.13%

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 655

HISTO: 9400218

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Brain	* Epididymis	* Esophagus
* 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
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Atrophy	Moderate
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone		Fibrous Osteodystrophy	Moderate
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 4-1: Nephropathy, Chronic, Marked]		
* Liver	Hepatocyte	Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Minimal
* Lung	Artery, Vein	Mineralization	Minimal
* Parathyroid Gland		Hyperplasia	Moderate
	[Hyperplasia TGLS = 6-7: Hyperplasia, Moderate]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Cyst	Mild
		Inflammation	Chronic Active, Mild
	[Cyst TGLS = 5-11: Cyst, Mild]		
* Spleen		Fibrosis	Marked
	[Fibrosis TGLS = 3-12: Fibrosis, Marked]	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 118	TRT#: 5	SEX: Male	DAY ON TEST: 655
	DOSE: 0.13%	DISP: Moribund Sacrifice	HISTO: 9400218

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-12: Mononuclear Cell Leukemia]

* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
	Epithelium	Inflammation	Chronic Active, Moderate
	Epithelium	Ulcer	Marked

[Ulcer TGLS = 7-12: Ulcer, Epithelium, Marked]

* Testes	Bilateral, Interstit Cell	Adenoma	
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[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]

PRIMARY CAUSE OF DEATH	- Kidney	Nephropathy
CONTRIBUTORY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 119

TRT#: 5

SEX: Male

DAY ON TEST: 613

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400219

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Parathyroid Gland	* Prostate
* 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	
	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Mild
* Intestine Small, Jejunum		Ulcer	Marked
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
	[Nephropathy TGLS = 3-1: Nephropathy, Chronic, Mild]		
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
* Lymph Node, Mesenteric		Ectasia	Moderate
	[Ectasia TGLS = 5-12: Ectasia, Moderate]		
Mesentery	Fat	Inflammation	Chronic Active, Moderate
	Note: TGL#5-12: Cyst, Mesenteric Fat, Noted At Necropsy, Is Ectatic Mesenteric Lymph Node Histopathologically.		
* Pancreas	Acinus	Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 119

TRT#: 5
DOSE: 0.13%

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 613
HISTO: 9400219

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland		Adenoma	
	[Adenoma TGLS = 1-13: Adenoma]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]		
* Testes	Interstit Cell	Adenoma	
		Necrosis	Marked
	[Necrosis TGLS = 4-10+12: Necrosis, Marked]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Intestine Small;Jejunum Ulcer;Preputial Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 120

TRT#: 5

SEX: Male

DAY ON TEST: 572

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400220

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Epididymis
* Esophagus	* 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, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Marked
* Brain		Leukemia Mononuclear	
		Hemorrhage	Mild
	[Hemorrhage TGLS = 6-6: Hemorrhage, Mild]	Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Mild
		Leukemia Mononuclear	
* Kidney		Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 4-1: Nephropathy, Chronic, Moderate]		
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-4+5: Mononuclear Cell Leukemia]		
* Lung		Leukemia Mononuclear	
* Preputial Gland		Cyst	Moderate
		Inflammation	Chronic Active, Minimal
	[Cyst TGLS = 8-11: Cyst, Moderate,]		
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen		Leukemia Mononuclear	
		Necrosis	Marked
	[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]		
	[Necrosis TGLS = 5-1: Necrosis, Marked]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 120

TRT#: 5
DOSE: 0.13%

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 572
HISTO: 9400220

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach

Epithelium
Epithelium

Inflammation
Ulcer

Chronic Active, Moderate
Marked

[Ulcer TGLS = 7-12: Ulcer, Epithelium, Marked]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 3-10: Adenoma, Interstitial Cell, Bilateral]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 121

TRT#: 5

SEX: Male

DAY ON TEST: 635

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400221

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
Eye	Lens	Cataract	Moderate
	Retina	Degeneration	Marked
	[Cataract TGLS = 4-12: Cataract, Lens, Moderate]		
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 3-1: Nephropathy, Chronic, Marked]		
* Liver	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland			
	Note: TGL#1-13: Mammary Gland Mass, Noted At Necropsy, Is Subcutaneous Fibroma Histopathologically.		
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Skin	Subcut Tissue	Fibroma	
	[Fibroma TGLS = 1-13: Fibroma, Subcutaneous Tissue]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 121	TRT#: 5 DOSE: 0.13%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 635 HISTO: 9400221
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ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Testes [Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	Follicle	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH	- Kidney Nephropathy
CONTRIBUTORY CAUSE OF DEATH	- Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 122

TRT#: 5

SEX: Male

DAY ON TEST: 599

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400222

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* 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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Thymsus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Cyst	Mild
		Nephropathy	Chronic, Marked
	[Cyst TGLS = 3-1: Cyst, Mild]		
	[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Marked]		
* Liver		Basophilic Focus	
	Hepatocyte	Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Necrosis	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
	Epithelium	Inflammation	Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 122	TRT#: 5 DOSE: 0.13%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 599 HISTO: 9400222
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ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular	Epithelium	Ulcer	Mild
* Testes	Bilateral, Interstit Cell	Mineralization	Mild
[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]			

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 123

TRT#: 5

SEX: Male

DAY ON TEST: 648

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400223

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Bone		Fibrous Osteodystrophy	Mild
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Marked]		
* Liver	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Mild
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung		Inflammation	Chronic Active, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Parathyroid Gland		Hyperplasia	Moderate
	[Hyperplasia TGLS = 3-7: Hyperplasia, Moderate]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLS = 4-7: Hyperplasia, Pars Distalis, Mild]		
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Mild
	Note: Some Prostatic Tissue Also On Slide #10		
* Spleen		Fibrosis	Mild
	[Fibrosis TGLS = 6-1: Fibrosis, Mild]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 123	TRT#: 5	SEX: Male	DAY ON TEST: 648
	DOSE: 0.13%	DISP: Moribund Sacrifice	HISTO: 9400223

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
	Epithelium	Inflammation	Chronic Active, Moderate
	Epithelium	Ulcer	Marked
[Ulcer TGLS = 5-4+5: Ulcer, Epithelium, Marked]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]			

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 124

TRT#: 5

SEX: Male

DAY ON TEST: 712

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400224

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 3-1: Nephropathy, Chronic, Marked]		
* Liver	Hepatocyte	Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Mild
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Cyst	Marked
		Hyperplasia	Cystic, Moderate
	[Cyst TGLS = 4-13: Cyst, Marked]		
* Parathyroid Gland		Hyperplasia	Mild
	Note: Small Piece Of Parathyroid Gland Attached To Thymus On Slide #02.		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 6-7: Adenoma, Pars Distalis]		
* Preputial Gland		Inflammation	Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 124

TRT#: 5

SEX: Male

DAY ON TEST: 712

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400224

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Chronic Active, Mild
* Skin			
Note: TGL#5-NST: Trimmer Notes That Crust, Documented At Necropsy, Was Clotted Blood Which Washed Off In Formalin. Foot Appeared Normal At Trim - Therefore NST.			
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 2-12: Fibrosis, Mild]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
	Epithelium	Inflammation	Chronic Active, Marked
	Epithelium	Ulcer	Marked
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 125

TRT#: 5

SEX: Male

DAY ON TEST: 354

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400225

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Epididymis	* Esophagus
* 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	* Preputial Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage	Moderate
		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-12: Mononuclear Cell Leukemia, Renal]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-4+13: Mononuclear Cell Leukemia]		
* Pituitary Gland		Leukemia Mononuclear	
* Prostate		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 125

TRT#: 5
DOSE: 0.13%

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 354
HISTO: 9400225

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-12: Mononuclear Cell Leukemia]

* Stomach, Forestomach

Epithelium
Epithelium

Inflammation
Ulcer

Chronic Active, Minimal
Marked

* Thymus

Leukemia Mononuclear

* Thyroid Gland

Follicular Cel

Adenoma

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 126

TRT#: 5

SEX: Male

DAY ON TEST: 613

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400226

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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
* Lymph Node, Mandibular	* Mammary Gland	* Pancreas	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
Blood Vessel	Aorta	Mineralization	Moderate
* Bone		Fibrous Osteodystrophy	Marked
* Heart		Cardiomyopathy	Chronic, Moderate
		Mineralization	Minimal
* Kidney	Renal Tubule	Adenoma	
		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Marked]		
* Liver		Basophilic Focus	
	Hepatocyte	Degeneration	Cystic, Minimal
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[Hepatodiaphragmatic Nodule TGLS = 4-12: Hepatodiaphragmatic Nodule]		
* Lung	Artery, Vein	Mineralization	Minimal
	Interstitialium	Mineralization	Mild
Lymph Node	Renal	Ectasia	Mild
	[Ectasia TGLS = 7-12: Ectasia, Mild, Renal]		
* Lymph Node, Mesenteric		Ectasia	Moderate
	[Ectasia TGLS = 6-12: Ectasia, Moderate]		
Mesentery			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 126	TRT#: 5 DOSE: 0.13%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 613 HISTO: 9400226
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ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL#6-12: Mesenteric Cyst, Noted At Necropsy, Is Ectatic Mesenteric Lymph Node Histopathologically.

* Nose		Inflammation	Chronic Active, Mild
* Parathyroid Gland		Hyperplasia	Moderate
	[Hyperplasia TGLS = 8-7: Hyperplasia, Moderate]		
* Pituitary Gland	Pars Intermed	Adenoma	
	[Adenoma TGLS = 5-7: Adenoma, Pars Intermedia]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
	[Hematopoietic Cell Proliferation TGLS = 3-1: Hematopoietic Cell Proliferation, Mild]		
* Stomach, Glandular		Mineralization	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]		
* Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 127

TRT#: 5

SEX: Male

DAY ON TEST: 612

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400227

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Esophagus	* 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	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
* Adrenal Medulla		Hyperplasia	Minimal
Blood Vessel	Aorta	Mineralization	Marked
* Bone		Fibrous Osteodystrophy	Marked
* Epididymis		Granuloma Sperm	Moderate
* Heart		Cardiomyopathy	Chronic, Moderate
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Marked]		
* Liver	Hepatocyte	Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Minimal
* Lung	Hepatocyte	Vacuolization Cytoplasmic	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
	Interstitium	Mineralization	Mild
* Nose		Inflammation	Chronic Active, Moderate
* Parathyroid Gland		Hyperplasia	Moderate
	[Hyperplasia TGLS = 4-7: Hyperplasia, Moderate]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLS = 5-7: Hyperplasia, Pars Distalis, Mild]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 127	TRT#: 5 DOSE: 0.13%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 612 HISTO: 9400227
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ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Fibrosis	Mild
		Hematopoietic Cell Proliferation	Mild
	[Hematopoietic Cell Proliferation TGLS = 1-1: Hematopoietic Cell Proliferation, Mild]		
* Stomach, Glandular		Mineralization	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 3-10: Adenoma, Interstitial Cell, Bilateral]		
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 128

TRT#: 5

SEX: Male

DAY ON TEST: 688

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400228

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Brain	* Esophagus
* 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	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Bone		Fibrous Osteodystrophy	Moderate
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 3-1: Nephropathy, Chronic, Marked]		
* Liver		Basophilic Focus	
	Hepatocyte	Degeneration	Cystic, Minimal
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
	Hepatocyte	Necrosis	Minimal
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Leukemia Mononuclear TGLS = 5-4+5: Mononuclear Cell Leukemia]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 128	TRT#: 5 DOSE: 0.13%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 688 HISTO: 9400228
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ORGAN AND ACCOUNTABLE SITE STATUS

* Lung	Alveolus	Infiltration Cellular Leukemia Mononuclear	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Pancreas	Acinus	Atrophy	Minimal
Penis			
Note: TGL#4-7-NCL: Unable To Demonstrate Parathyroid Glands Histologically.			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
* Skin			
Note: TGL#1-12-NCL: Unable To Demonstrate Skin Laceration Histologically.			
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma Mesothelioma Malignant	
[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	- Kidney Nephropathy
CONTRIBUTORY CAUSE OF DEATH	- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 129

TRT#: 5

SEX: Male

DAY ON TEST: 654

DOSE: 0.13%

DISP: Natural Death

HISTO: 9400229

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Brain	* Epididymis
* Esophagus	* 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
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Trachea	* Urinary Bladder	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Bone		Fibrous Osteodystrophy	Mild
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Chronic, Mild
		Mineralization	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Cyst	Mild
		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 3-1: Nephropathy, Chronic, Marked]		
* Liver	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
	Hepatocyte	Necrosis	Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[Hypertrophy TGLS = 4-4+5: Hypertrophy, Hepatocyte, Centrilob, Moderate]		
	[Necrosis TGLS = 4-4+5: Necrosis, Hepatocyte, Moderate]		
	[Vacuolization Cytoplasmic TGLS = 4-4+5: Cytoplasmic Vacuoliz, Hepatocyte, Moderate]		
* Lung	Artery, Vein	Mineralization	Minimal
* Parathyroid Gland		Hyperplasia	Marked
	[Hyperplasia TGLS = 5-7: Hyperplasia, Marked]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 129	TRT#: 5 DOSE: 0.13%	SEX: Male DISP: Natural Death	DAY ON TEST: 654 HISTO: 9400229
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ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Hematopoietic Cell Proliferation TGLS = 2-1: Hematopoietic Cell Proliferation, Mild]		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Stomach, Glandular		Mineralization	Minimal
* Testes [Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland [Cyst TGLS = 6-7: Cyst, Follicle, Moderate]	Follicle	Cyst	Moderate

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 130

TRT#: 5

SEX: Male

DAY ON TEST: 627

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400230

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular
* 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		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Epididymis		Mesothelioma Malignant	
* Intestine Small, Jejunum		Mesothelioma Malignant	
* Kidney		Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 1-1: Nephropathy, Chronic, Moderate]		
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Leukemia Mononuclear TGLS = 2-4+5: Mononuclear Cell Leukemia]		
* Lung	Alveolar Epith	Hyperplasia	Mild
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Minimal
Mesentery		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 5-12: Malignant Mesothelioma]		
* Nose		Inflammation	Chronic Active, Mild
* Pancreas		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 4-4: Malignant Mesothelioma]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 130	TRT#: 5 DOSE: 0.13%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 627 HISTO: 9400230
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ORGAN AND ACCOUNTABLE SITE STATUS

Peritoneum		Mesothelioma Malignant	
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Mesothelioma Malignant	
* Spleen		Leukemia Mononuclear	
* Testes	Germinal Epith	Degeneration	Moderate
	Interstit Cell	Hyperplasia	Minimal
		Mesothelioma Malignant	

[Mesothelioma Malignant TGLS = 3-10: Malignant Mesothelioma]

PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	
CONTRIBUTORY CAUSE OF DEATH	- Kidney	Nephropathy;Mesentery	Mesothelioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 131

TRT#: 5
DOSE: 0.13%

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 723
HISTO: 9400231

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* 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
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Leukemia Mononuclear	
* Bone Marrow		Pheochromocytoma Benign	
		Hyperplasia	Marked
* Heart		Leukemia Mononuclear	
* Kidney	Renal Tubule	Cardiomyopathy	Chronic, Mild
		Hyperplasia	Minimal
		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 3-1: Nephropathy, Chronic, Marked]		
* Liver	Hepatocyte	Degeneration	Cystic, Moderate
		Hepatocellular Adenoma	Multiple
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Moderate
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
	[Hepatodiaphragmatic Nodule TGLS = 5-13: Hepatodiaphragmatic Nodule]		
	[Leukemia Mononuclear TGLS = 4-12]		
* Lung	Artery, Vein	Leukemia Mononuclear	
		Mineralization	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 131	TRT#: 5 DOSE: 0.13%	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 723 HISTO: 9400231
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ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Mediastinal	Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 1-13: Hyperplasia, Cystic, Moderate]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Squamous Cell Papilloma	
[Hyperplasia TGLS = 6-14: Hyperplasia, Epithelium, Moderate]			
[Squamous Cell Papilloma TGLS = 6-14: Squamous Cell Papilloma]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 7-10: Adenoma, Interstitial Cell]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 132

TRT#: 5

SEX: Male

DAY ON TEST: 589

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400232

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Pituitary Gland
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Intestine Large, Colon		Polyp Adenomatous	
	[Polyp Adenomatous TGLS = 5-13: Adenomatous Polyp]		
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver	Hepatocyte	Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-4+5: Mononuclear Cell Leukemia]		
* Lung		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-12: Mononuclear Cell Leukemia, Pancreatic]		
	[Leukemia Mononuclear TGLS = 3-2: Mononuclear Cell Leukemia, Mediastinal]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 132	TRT#: 5	SEX: Male	DAY ON TEST: 589
	DOSE: 0.13%	DISP: Moribund Sacrifice	HISTO: 9400232

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 133

TRT#: 5

SEX: Male

DAY ON TEST: 583

DOSE: 0.13%

DISP: Natural Death

HISTO: 9400233

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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, Mandibular	* Lymph Node, Mesenteric	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Esophagus		Inflammation	Chronic Active, Moderate
		Ulcer	Marked
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Moderate]		
* Liver	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
* Lung	Artery, Vein	Mineralization	Minimal
Lymph Node	Lumbar	Hyperplasia	Lymphoid, Moderate
	[Hyperplasia TGLS = 3-13: Hyperplasia, Lymphoid, Moderate, Lumbar]		
* Mammary Gland		Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLS = 1-12: Hyperplasia, Cystic, Moderate]		
* Nose		Inflammation	Suppurative, Marked
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 4-7: Adenoma, Pars Distalis]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 133

TRT#: 5
DOSE: 0.13%

SEX: Male
DISP: Natural Death

DAY ON TEST: 583
HISTO: 9400233

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Epithelium Interstit Cell	Inflammation Hyperplasia	Chronic Active, Mild Minimal
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		
CONTRIBUTORY CAUSE OF DEATH	- Esophagus Ulcer;Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 134

TRT#: 5

SEX: Male

DAY ON TEST: 627

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400234

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Moderate]		
* Liver	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-4+5: Mononuclear Cell Leukemia]	Vacuolization Cytoplasmic	Marked
	[Vacuolization Cytoplasmic TGLS = 3-4+5: Vacuolization, Cytoplasmic, Hepatocyte, Marked]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
	Note: TGL#4-12: Mammary Gland Mass, Documented At Necropsy, Is A Subcutaneous Fibroma Histopathologically.		
Mesentery	Fat	Necrosis	Marked
	[Necrosis TGLS = 7-13: Necrosis, Fat, Marked]		
* Parathyroid Gland			
	Note: TGL#5-7-NCL: Enlarged Parathyroid Glands, Documented At Necropsy, Not Demonstrated Histopathologically (Missing).		
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 134

TRT#: 5

SEX: Male

DAY ON TEST: 627

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400234

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]

* Prostate Inflammation Chronic Active, Mild

* Skin Subcut Tiss Fibroma

[Fibroma TGLS = 4-12: Fibroma, Subcutaneous Tissue]

* Spleen Leukemia Mononuclear

* Stomach, Forestomach Epithelium Hyperplasia Moderate

Epithelium Inflammation Chronic Active, Moderate

Epithelium Ulcer Marked

[Ulcer TGLS = 6-4+13: Ulcer, Epithelium, Marked]

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy;Skin Subcut Tiss Fibroma;Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 135

TRT#: 5

SEX: Male

DAY ON TEST: 664

DOSE: 0.13%

DISP: Natural Death

HISTO: 9400235

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Brain	* Epididymis	* Esophagus
* 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
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
Blood Vessel	Aorta	Mineralization	Mild
* Bone		Fibrous Osteodystrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Chronic, Moderate
		Mineralization	Mild
* Kidney		Cyst	Mild
		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 4-1: Nephropathy, Chronic, Marked]		
* Liver	Hepatocyte	Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung	Alveolus	Inflammation	Suppurative, Mild
	Artery, Vein	Mineralization	Minimal
	Interstitium	Mineralization	Mild
Mesentery	Fat	Necrosis	Marked
	[Necrosis TGLS = 8-12: Necrosis, Fat, Marked]		
* Parathyroid Gland		Hyperplasia	Mild
	[Hyperplasia TGLS = 7-7: Hyperplasia, Mild]		
* Preputial Gland		Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 135

TRT#: 5

SEX: Male

DAY ON TEST: 664

DOSE: 0.13%

DISP: Natural Death

HISTO: 9400235

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-12]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2,3-10: Adenoma, Interstitial Cell, Bilateral]

* Thyroid Gland

Follicular Cel

Adenoma

[Adenoma TGLS = 6-7: Adenoma, Follicular Cell]

Tongue

Squamous Cell Papilloma

[Squamous Cell Papilloma TGLS = 5-12: Squamous Cell Papilloma]

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 136

TRT#: 5

SEX: Male

DAY ON TEST: 674

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400236

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* 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	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Marked
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Cyst	Mild
		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
[Nephropathy TGLS = 4-1: Nephropathy, Chronic, Moderate]			
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
[Hepatodiaphragmatic Nodule TGLS = 7-12: Hepatodiaphragmatic Nodule]			
* Lung		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
* Lymph Node, Mesenteric		Ectasia	Mild
* Parathyroid GI			
Note: TGL#5-7-NCL: Parathyroid Glands Considered To Be Within Normal Limits Histopathologically.			
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 136	TRT#: 5	SEX: Male	DAY ON TEST: 674
	DOSE: 0.13%	DISP: Moribund Sacrifice	HISTO: 9400236

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 6-7: Adenoma, Pars Distalis]		
* Spleen	Fibrosis Leukemia Mononuclear	Mild
[Fibrosis TGLS = 3-1: Fibrosis, Mild]		
[Leukemia Mononuclear TGLS = 2-13: Mononuclear Cell Leukemia]		
* Testes	Bilateral, Interstit Cell Adenoma	
[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]		

PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Kidney	Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 137

TRT#: 5

SEX: Male

DAY ON TEST: 631

DOSE: 0.13%

DISP: Natural Death

HISTO: 9400237

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Small, Duodenum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Trachea	* Urinary Bladder	

MISSING

* Intestine Small, Ileum	* Thymus
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AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Jejunum
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 3-7: Pheochromocytoma, Benign]			
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Chronic, Moderate
		Mineralization	Minimal
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Marked]			
* Liver	Hepatocyte	Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Parathyroid Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 4-7: Hyperplasia, Moderate]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Stomach, Glandular		Mineralization	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 137

TRT#: 5
DOSE: 0.13%

SEX: Male
DISP: Natural Death

DAY ON TEST: 631
HISTO: 9400237

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]

* Thyroid Gland

Follicular Cel

Adenoma

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 138

TRT#: 5
DOSE: 0.13%

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 673
HISTO: 9400238

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Lymph Node, Mandibular	* Nose
* Pancreas	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone		Fibrous Osteodystrophy	Mild
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 2-1+12: Nephropathy, Chronic, Marked]		
* Liver	Hepatocyte	Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Lymph Node, Mesenteric		Ectasia	Moderate
	[Ectasia TGLS = 5-4: Ectasia, Moderate]		
* Mammary Gland		Cyst	Moderate
		Hyperplasia	Cystic, Mild
	[Cyst TGLS = 1-12: Cyst, Moderate]		
* Parathyroid Gland		Hyperplasia	Mild
	[Hyperplasia TGLS = 3-7: Hyperplasia, Mild]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 4-7: Adenoma, Pars Distalis]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 138	TRT#: 5	SEX: Male	DAY ON TEST: 673
	DOSE: 0.13%	DISP: Moribund Sacrifice	HISTO: 9400238

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 6-4: Hyperplasia, Epithelium, Mild]

* Stomach, Glandular	Epithelium	Inflammation	Chronic Active, Mild
	Epithelium	Necrosis	Moderate
* Testes	Interstit Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 139

TRT#: 5
DOSE: 0.13%

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 635
HISTO: 9400239

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* 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	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
	[Nephropathy TGLS = 4-1: Nephropathy, Chronic, Mild]		
* Liver	Hepatocyte	Degeneration	Cystic, Mild
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
	[Leukemia Mononuclear TGLS = 5-4,6-4+5]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-12: Mononuclear Cell Leukemia, Mediastinal]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 139

TRT#: 5
DOSE: 0.13%

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 635
HISTO: 9400239

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Inflammation	Chronic Active, Mild
* Skin	Subcut Tiss	Fibrosarcoma	
	[Fibrosarcoma TGLS = 3-13: Fibrosarcoma, Subcutaneous Tissue]		
* Spleen		Fibrosis	Mild
	[Fibrosis TGLS = 2-13: Fibrosis, Mild]	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-12: Mononuclear Cell Leukemia]		
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 140

TRT#: 5

SEX: Male

DAY ON TEST: 669

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400240

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Marked
* Bone		Fibrous Osteodystrophy	Marked
Eye	Retina	Degeneration	Moderate
	Antr Chamber	Inflammation	Suppurative, Mild
	[Inflammation TGLS = 1-12: Inflammation, Suppurative, Mild]		
* Heart		Cardiomyopathy	Chronic, Moderate
		Mineralization	Mild
* Kidney		Cyst	Moderate
		Nephropathy	Chronic, Marked
	[Cyst TGLS = 8-12: Cyst, Moderate]		
	[Nephropathy TGLS = 6-1: Nephropathy, Chronic, Marked]		
* Liver	Hepatocyte	Degeneration	Cystic, Mild
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic, Mild
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Hepatodiaphragmatic Nodule TGLS = 7-5: Hepatodiaphragmatic Nodule]		
* Lung	Artery, Vein	Mineralization	Minimal
	Interstitium	Mineralization	Mild
Lymph Node			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 140	TRT#: 5	SEX: Male	DAY ON TEST: 669
	DOSE: 0.13%	DISP: Moribund Sacrifice	HISTO: 9400240

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL#5-2-NCL: Mediastinal Lymph Nodes Considered To Be Within Normal Limits Histopathologically.

* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-13: Fibroadenoma]			
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 3-13: Necrosis, Fat, Marked]			
* Nose		Inflammation	Suppurative, Mild
* Parathyroid Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 9-7: Hyperplasia, Marked]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Minimal
* Stomach, Glandular		Mineralization	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-10: Adenoma, Interstitial Cell, Bilateral]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 141

TRT#: 5
DOSE: 0.13%

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 697
HISTO: 9400241

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* 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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Marked
		Pheochromocytoma Benign	
* Bone		Fibrous Osteodystrophy	Moderate
		Necrosis	Marked
	[Necrosis TGLS = 6-14: Necrosis, Marked]		
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 4-1: Nephropathy, Chronic, Marked]		
* Liver		Basophilic Focus	
	Hepatocyte	Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Minimal
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Nose		Inflammation	Chronic Active, Mild
* Parathyroid Gland		Hyperplasia	Marked
	[Hyperplasia TGLS = 5-7: Hyperplasia, Marked]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 141	TRT#: 5 DOSE: 0.13%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 697 HISTO: 9400241
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ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Inflammation	Chronic Active, Minimal
* Skin	Subcut Tiss Pinna	Fibroma Squamous Cell Papilloma	
	[Fibroma TGLS = 2-13: Fibroma, Subcutaneous Tissue] [Squamous Cell Papilloma TGLS = 1-12: Squamous Cell Papilloma]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 3-10: Adenoma, Bilateral, Interstitial Cell]		
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 142

TRT#: 5

SEX: Male

DAY ON TEST: 643

DOSE: 0.13%

DISP: Natural Death

HISTO: 9400242

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Epididymis	* Esophagus	* 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	* Preputial Gland	* Skin	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Brain	* Lymph Node, Mandibular	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Thyroid Gland		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
Blood Vessel	Aorta	Mineralization	Moderate
* Bone		Fibrous Osteodystrophy	Marked
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Chronic, Moderate
		Mineralization	Moderate
* Kidney		Cyst	Mild
		Leukemia Mononuclear	
		Nephropathy	Chronic, Marked
		[Cyst TGLS = 7-1: Cyst, Mild]	
		[Nephropathy TGLS = 5-1: Nephropathy, Chronic, Marked]	
* Liver		Basophilic Focus	
	Hepatocyte	Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Leukemia Mononuclear	
	Hepatocyte	Necrosis	Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
		Note: TGL#4-12-NCL: Mass, Documented At Necropsy, Not Demonstrated Histopathologically.	
* Lung		Leukemia Mononuclear	
	Interstitium	Mineralization	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 142	TRT#: 5 DOSE: 0.13%	SEX: Male DISP: Natural Death	DAY ON TEST: 643 HISTO: 9400242
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ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node [Leukemia Mononuclear TGLS = 3-12: Mononuclear Cell Leukemia, Mediastinal]	Mediastinal	Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Minimal
* Prostate		Inflammation	Chronic Active, Moderate
* Seminal Vesicle		Mineralization	Mild
* Spleen Note: TGL#6-1-NCL: Focus, Noted At Trim, Is Area Of Autolysis and Uneven Fixation Histopathologically.		Leukemia Mononuclear	
* Stomach, Forestomach		Mineralization	Moderate
* Stomach, Glandular		Mineralization	Moderate
* Testes [Adenoma TGLS = 1,2-10: Adenoma, Interstitial Cell, Bilateral]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH	- Kidney Nephropathy
CONTRIBUTORY CAUSE OF DEATH	- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 143

TRT#: 5

SEX: Male

DAY ON TEST: 683

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400243

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Esophagus	* 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	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Moderate
		Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Marked
	[Mineralization TGLS = 3-7: Mineralization, Marked, Aorta]		
* Bone		Fibrous Osteodystrophy	Marked
* Bone Marrow		Hyperplasia	Moderate
* Epididymis		Granuloma Sperm	Moderate
* Heart		Cardiomyopathy	Chronic, Moderate
		Mineralization	Moderate
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 1-1: Nephropathy, Chronic, Marked]		
* Liver	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Interstitium	Mineralization	Moderate
* Mammary Gland		Hyperplasia	Cystic, Mild
* Parathyroid Gland		Hyperplasia	Marked
	[Hyperplasia TGLS = 4-7: Hyperplasia, Marked]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate
* Stomach, Forestomach		Mineralization	Moderate
* Stomach, Glandular		Mineralization	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 143	TRT#: 5 DOSE: 0.13%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 683 HISTO: 9400243
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ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Cyst	Mild
* Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 144

TRT#: 5

SEX: Male

DAY ON TEST: 667

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400244

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone		Fibrous Osteodystrophy	Mild
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Cyst	Mild
	[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Marked]	Nephropathy	Chronic, Marked
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Hepatocyte	Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic, Minimal
	Hepatocyte	Necrosis	Moderate
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[Clear Cell Focus TGLS = 3-12: Clear Cell Focus]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Parathyroid Gland		Hyperplasia	Moderate
	[Hyperplasia TGLS = 4-7: Hyperplasia, Moderate]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 144	TRT#: 5 DOSE: 0.13%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 667 HISTO: 9400244
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ORGAN AND ACCOUNTABLE SITE STATUS

Note: Some Prostate Gland Also On Slide #10

* Stomach, Forestomach	Epithelium Epithelium Epithelium	Hyperplasia Inflammation Ulcer	Moderate Chronic Active, Marked Marked
[Ulcer TGLS = 5-12: Ulcer, Epithelium, Marked]			
* Stomach, Glandular		Mineralization	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]			

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 145

TRT#: 5

SEX: Male

DAY ON TEST: 659

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400245

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* 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	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Mild
		Leukemia Mononuclear	
* Kidney		Cyst	Moderate
		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 6-1: Nephropathy, Chronic, Moderate]		
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
	[Leukemia Mononuclear TGLS = 5-4+5: Mononuclear Cell leukemia]		
* Lung		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Cyst	Moderate
		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 145	TRT#: 5	SEX: Male	DAY ON TEST: 659
	DOSE: 0.13%	DISP: Moribund Sacrifice	HISTO: 9400245

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Chronic Active, Mild
[Cyst TGLS = 3-12: Cyst, Moderate]			
* Skin	Pinna	Melanoma Malignant	
[Melanoma Malignant TGLS = 1-12]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-10: Adenoma, Interstitial Cell, Bilateral]			

PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Kidney	Nephropathy;Skin Pinna Melanoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 146

TRT#: 5

SEX: Male

DAY ON TEST: 723

DOSE: 0.13%

DISP: Terminal Sacrifice

HISTO: 9400246

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Epididymis	* Esophagus
* 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
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Marked
* Adrenal Medulla		Hyperplasia	Marked
* Bone Marrow		Hyperplasia	Moderate
* Brain		Inflammation	Chronic Active, Mild
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Moderate]		
* Liver		Clear Cell Focus	
	Hepatocyte	Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Hypertrophy TGLS = 4-4+5: Hypertrophy, Hepatocyte, Centrilobular, Mild]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolus	Infiltration Cellular	Lymphocyte, Minimal
	Perivascular	Leukemia Mononuclear	
		Mineralization	Minimal
	Artery, Vein	Leukemia Mononuclear	
Lymph Node	Mediastinal	Atrophy	Minimal
* Pancreas	Acinus		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 146	TRT#: 5 DOSE: 0.13%	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 723 HISTO: 9400246
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis Pars Distalis	Cyst Hyperplasia	Mild Minimal
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-1: Mononuclear Cell Leukemia]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 147

TRT#: 5

SEX: Male

DAY ON TEST: 723

DOSE: 0.13%

DISP: Terminal Sacrifice

HISTO: 9400247

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow	Bilateral	Leukemia Mononuclear	
		Pheochromocytoma Benign	
		Hyperplasia	Marked
* Heart		Leukemia Mononuclear	
		Cardiomyopathy	Chronic, Mild
* Kidney		Leukemia Mononuclear	
		Cyst	Mild
		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
		[Nephropathy TGLS = 3-1: Nephropathy, Chronic, Moderate]	
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 5-4+5: Mononuclear Cell Leukemia]	
* Lung		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
		[Fibroadenoma TGLS = 1-12: Fibroadenoma]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 147

TRT#: 5
DOSE: 0.13%

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 723
HISTO: 9400247

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Adenoma Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-12: Mononuclear Cell Leukemia]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 148

TRT#: 5

SEX: Male

DAY ON TEST: 561

DOSE: 0.13%

DISP: Natural Death

HISTO: 9400248

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage	Moderate
		Leukemia Mononuclear	
	[Hemorrhage TGLS = 6,7-6+12: Hemorrhage, Moderate]		
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
	[Leukemia Mononuclear TGLS = 4-1: Mononuclear Cell Leukemia]		
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-2: Mononuclear Cell Leukemia, Mediastinal]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 148

TRT#: 5
DOSE: 0.13%

SEX: Male
DISP: Natural Death

DAY ON TEST: 561
HISTO: 9400248

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Inflammation	Chronic Active, Moderate
	Leukemia Mononuclear	
* Preputial Gland	Hyperplasia	Mild
	Inflammation	Chronic Active, Mild
[Hyperplasia TGLS = 2-11: Hyperplasia, Mild]		
* Prostate	Inflammation	Chronic Active, Minimal
* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]		
* Testes	Bilateral, Interstit Cell	Adenoma
[Adenoma TGLS = 3-10: Adenoma, Interstitial Cell, Bilateral]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 149

TRT#: 5

SEX: Male

DAY ON TEST: 437

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400249

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose		Inflammation	Chronic Active, Marked
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
	Epithelium	Inflammation	Chronic Active, Moderate
	Epithelium	Ulcer	Marked
	[Inflammation TGLS = 2,3-12: Inflammation, Chr-Act, Epithelium, Moderate]		
	[Ulcer TGLS = 2,3-12: Ulcer, Epithelium, Marked]		
* Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Primidone (primaclone)
 CAS Number: 125-33-7

Date Report Requested: 10/19/2014
 Time Report Requested: 08:31:28
 First Dose M/F: NA / NA
 Lab: BAT

ANIMAL ID: 150

TRT#: 5

SEX: Male

DAY ON TEST: 698

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400250

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Brain	* Esophagus	* 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	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
Blood Vessel	Aorta	Mineralization	Moderate
* Bone		Fibrous Osteodystrophy	Marked
* Bone Marrow		Hyperplasia	Marked
* Epididymis		Granuloma Sperm	Minimal
* Heart		Cardiomyopathy	Chronic, Moderate
* Kidney	Renal Tubule	Cyst	Moderate
		Hyperplasia	Marked
		Nephropathy	Chronic, Marked
			[Cyst TGLS = 7-12: Cyst, Moderate]
			[Nephropathy TGLS = 6-1: Nephropathy, Chronic, Marked]
* Liver	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
			[Vacuolization Cytoplasmic TGLS = 5-4+5: Vacuoliz, Cytoplasm, Hepatocyte, Moderate]
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
Lymph Node	Mediastinal	Hyperplasia	Plasma Cell, Mild
			[Hyperplasia TGLS = 8-13: Hyperplasia, Plasma Cell, Mild, Mediastinal]
Mesentery	Fat	Mineralization	Moderate
	Fat	Necrosis	Marked
	Fat	Pigmentation	Hemosiderin, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 150

TRT#: 5

SEX: Male

DAY ON TEST: 698

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400250

ORGAN AND ACCOUNTABLE SITE STATUS

Fat [Necrosis TGLS = 2-13: Necrosis, Fat, Marked]	Pigmentation	Hematoidin, Minimal
* Parathyroid Gland	Hyperplasia	Mild
* Preputial Gland	Inflammation	Chronic Active, Mild
* Prostate	Inflammation	Chronic Active, Minimal
* Spleen	Congestion	Moderate
[Congestion TGLS = 4-1: Congestion, Moderate]	Fibrosis	Moderate
[Fibrosis TGLS = 3-1: Fibrosis, Moderate]		
* Stomach, Glandular	Mineralization	Minimal
* Testes Bilateral, Interstit Cell [Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]	Adenoma	
* Thyroid Gland C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 151

TRT#: 7
DOSE: 0.25%

SEX: Male
DISP: Natural Death

DAY ON TEST: 538
HISTO: 9400101

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Esophagus	* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Thymus
* Thyroid Gland	* Trachea		

MISSING

* Epididymis	* Intestine Large, Colon	* Intestine Small, Ileum	* Lymph Node, Mesenteric
* Prostate	* Seminal Vesicle	* Testes	* Urinary Bladder

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
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OBSERVATIONS

Blood Vessel	Aorta	Mineralization	Moderate
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Chronic, Moderate
		Mineralization	Minimal
* Kidney		Nephropathy	Chronic, Marked
* Liver	Hepatocyte	Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
* Lung	Alveolus	Inflammation	Suppurative, Mild
	Artery, Vein	Mineralization	Mild
	Interstitial	Mineralization	Moderate
* Parathyroid Gland		Hyperplasia	Moderate
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Stomach, Glandular		Mineralization	Moderate

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Primidone (primaclone)
 CAS Number: 125-33-7

Date Report Requested: 10/19/2014
 Time Report Requested: 08:31:28
 First Dose M/F: NA / NA
 Lab: BAT

ANIMAL ID: 152

TRT#: 7
 DOSE: 0.25%

SEX: Male
 DISP: Natural Death

DAY ON TEST: 572
 HISTO: 9400102

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* 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
* Pancreas	* Prostate	* Seminal Vesicle	* Skin
* Spleen	* Urinary Bladder		

MISSING

* Brain	* Esophagus	* Lymph Node, Mandibular	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Thymus	* Thyroid Gland
* Trachea			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
Blood Vessel	Aorta	Mineralization	Mild
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Chronic, Moderate
		Mineralization	Mild
* Kidney		Nephropathy	Chronic, Marked
			[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Marked]
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Mixed Cell Focus	
* Lung	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	Artery, Vein	Mineralization	Mild
	Interstitium	Mineralization	Moderate
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
* Stomach, Forestomach		Mineralization	Minimal
* Stomach, Glandular		Mineralization	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
			[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 152

TRT#: 7

SEX: Male

DAY ON TEST: 572

DOSE: 0.25%

DISP: Natural Death

HISTO: 9400102

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 153

TRT#: 7

SEX: Male

DAY ON TEST: 589

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400103

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
Blood Vessel	Aorta	Mineralization	Moderate
* Heart		Cardiomyopathy	Chronic, Moderate
* Kidney	Renal Tubule	Hyperplasia	Mild
		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Marked]		
* Liver	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Minimal
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
	Interstitialium	Mineralization	Minimal
* Nose		Inflammation	Suppurative, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Moderate
	[Hyperplasia TGLS = 4-7: Hyperplasia, Moderate]		
* Pituitary Gland	Craniophar Dct	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 153	TRT#: 7 DOSE: 0.25%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 589 HISTO: 9400103
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ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Fibrosis TGLS = 3-1: Fibrosis, Mild]		Fibrosis	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
	Epithelium	Inflammation	Chronic Active, Mild
	Epithelium	Ulcer	Marked
* Stomach, Glandular		Mineralization	Mild
* Testes [Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 154

TRT#: 7

SEX: Male

DAY ON TEST: 561

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400104

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Bone		Fibrous Osteodystrophy	Marked
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 3-1: Nephropathy, Chronic, Marked]		
* Liver	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Pigmentation	Hemosiderin, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Artery, Vein	Mineralization	Minimal
* Parathyroid Gland		Hyperplasia	Mild
	[Hyperplasia TGLS = 4-7: Hyperplasia, Mild]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
	Epithelium	Inflammation	Chronic Active, Mild
* Stomach, Glandular		Mineralization	Mild
* Testes	Interstitial Cell	Adenoma	
	Germinal Epith	Degeneration	Minimal
	Interstitial Cell	Hyperplasia	Minimal
	[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell]		
	[Degeneration TGLS = 2-10: Degeneration, Germinal Epithelium, Minimal]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 154

TRT#: 7

SEX: Male

DAY ON TEST: 561

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400104

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 155

TRT#: 7

SEX: Male

DAY ON TEST: 573

DOSE: 0.25%

DISP: Natural Death

HISTO: 9400105

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
Blood Vessel	Aorta	Mineralization	Mild
* Bone		Fibrous Osteodystrophy	Mild
* Heart		Cardiomyopathy	Chronic, Moderate
		Mineralization	Mild
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Marked]			
* Liver		Clear Cell Focus	
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
[Vacuolization Cytoplasmic TGLS = 4-4+5: Vacuolization, Cytoplasm, Hepatocyte, Moderate]			
* Lung	Artery, Vein	Mineralization	Minimal
	Interstitialium	Mineralization	Moderate
Lymph Node	Renal	Erythrophagocytosis	Moderate
[Erythrophagocytosis TGLS = 3-12: Erythrophagocytosis, Moderate, Renal]			
* Parathyroid Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 5-7: Hyperplasia, Moderate]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Minimal
		Mineralization	Mild
* Stomach, Forestomach		Mineralization	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 155	TRT#: 7	SEX: Male	DAY ON TEST: 573
	DOSE: 0.25%	DISP: Natural Death	HISTO: 9400105

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular		Mineralization	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]			

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 156

TRT#: 7

SEX: Male

DAY ON TEST: 610

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400106

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Moderate
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney	Renal Tubule	Carcinoma	
		Cyst	Moderate
		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 3-1: Nephropathy, Chronic, Marked]		
* Liver	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Minimal
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Parathyroid Gland		Hyperplasia	Moderate
	[Hyperplasia TGLS = 4-7: Hyperplasia, Moderate]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 5-7: Adenoma, Pars Distalis]		
* Preputial Gland		Inflammation	Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 156

TRT#: 7

SEX: Male

DAY ON TEST: 610

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400106

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Chronic Active, Moderate
* Stomach, Glandular		Mineralization	Mild
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal

Note: TGL:2-10-NCL: Right Testis Considered To Be Of Normal Size Histologically.

[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell]

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 157

TRT#: 7

SEX: Male

DAY ON TEST: 674

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400107

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
		Myelofibrosis	Minimal
* Heart		Cardiomyopathy	Chronic, Mild
		Leukemia Mononuclear	
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 6-1: Nephropathy, Chronic, Moderate]		
* Liver	Hepatocyte	Degeneration	Cystic, Mild
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Hepatocyte	Necrosis	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Hepatocellular Adenoma TGLS = 5-4]		
	[Leukemia Mononuclear TGLS = 1-4+5: Mononuclear Cell Leukemia]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 157

TRT#: 7

SEX: Male

DAY ON TEST: 674

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400107

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mesenteric		Ectasia	Moderate
		Leukemia Mononuclear	
[Ectasia TGLS = 8-12: Ectasia, Moderate]			
* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 7-7: Hyperplasia, Mild]			
* Pituitary Gland	Pars Intermed	Adenoma	
		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 4-1: Fibrosis, Mild]			
[Leukemia Mononuclear TGLS = 3-1: Mononuclear Cell Leukemia]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 158

TRT#: 7

SEX: Male

DAY ON TEST: 632

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400108

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Esophagus
* 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
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Moderate
	[Mineralization TGLS = 3-7: Mineralization, Aorta, Moderate]		
* Bone		Fibrous Osteodystrophy	Marked
* Epididymis		Mineralization	Moderate
* Heart		Cardiomyopathy	Chronic, Moderate
		Mineralization	Mild
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 1-1: Nephropathy, Chronic, Marked]		
* Liver	Hepatocyte	Degeneration	Cystic, Marked
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Necrosis	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[Degeneration TGLS = 5-5: Degeneration, Cystic, Hepatocyte, Marked]		
	[Necrosis TGLS = 6-4: Necrosis, Hepatocyte, Mild]		
* Lung		Inflammation	Chronic Active, Mild
	Artery, Vein	Mineralization	Minimal
	Interstitial	Mineralization	Mild
* Parathyroid Gland		Hyperplasia	Marked
	[Hyperplasia TGLS = 2-7: Hyperplasia, Marked]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLS = 7-7: Hyperplasia, Pars Distalis, Mild]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 158	TRT#: 7	SEX: Male	DAY ON TEST: 632
	DOSE: 0.25%	DISP: Moribund Sacrifice	HISTO: 9400108

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate
* Stomach, Glandular		Mineralization	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 4-10: Adenoma, Bilateral, Interstitial Cell]		
* Thyroid Gland	Follicle	Cyst	Marked

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 159

TRT#: 7

SEX: Male

DAY ON TEST: 585

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400109

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Esophagus
* 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	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Marked
* Bone		Fibrous Osteodystrophy	Moderate
* Epididymis		Mineralization	Marked
* Heart		Cardiomyopathy	Chronic, Moderate
		Mineralization	Mild
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Marked]		
* Liver		Basophilic Focus	
	Hepatocyte	Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Minimal
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Inflammation	Suppurative, Mild
	Artery, Vein	Mineralization	Minimal
	Interstitium	Mineralization	Moderate
* Mammary Gland		Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 159	TRT#: 7 DOSE: 0.25%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 585 HISTO: 9400109
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ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Inflammation	Suppurative, Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Mineralization	Minimal
* Seminal Vesicle		Mineralization	Moderate
* Stomach, Forestomach		Mineralization	Mild
* Stomach, Glandular		Mineralization	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]			

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 160

TRT#: 7

SEX: Male

DAY ON TEST: 588

DOSE: 0.25%

DISP: Natural Death

HISTO: 9400110

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Esophagus
* 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	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Moderate
* Bone		Fibrous Osteodystrophy	Mild
* Epididymis		Granuloma Sperm	Mild
* Heart		Cardiomyopathy	Chronic, Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Marked]		
* Liver	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Necrosis	Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[Necrosis TGLS = 3-4+5: Necrosis, Hepatocyte, Moderate]		
* Lung	Alveolus, Interstitium	Inflammation	Suppurative, Mild
	Artery, Vein	Mineralization	Minimal
	Interstitium	Mineralization	Minimal
* Parathyroid Gland		Hyperplasia	Mild
	[Hyperplasia TGLS = 4-7: Hyperplasia, Mild]		
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Minimal
* Stomach, Glandular		Mineralization	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 160	TRT#: 7	SEX: Male	DAY ON TEST: 588
	DOSE: 0.25%	DISP: Natural Death	HISTO: 9400110

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	Follicle	Cyst	Moderate
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 161

TRT#: 7

SEX: Male

DAY ON TEST: 589

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400111

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Epididymis
* Esophagus	* 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	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Brain		Astrocytoma Malignant	
	[Astrocytoma Malignant TGLS = 4-6: Astrocytoma, Malignant]		
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 3-1: Nephropathy, Chronic, Moderate]		
* Liver	Hepatocyte	Degeneration	Cystic, Minimal
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
* Lung	Hepatocyte	Vacuolization Cytoplasmic	Mild
		Alveolar/Bronchiolar Carcinoma	
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
		Metaplasia	Osseous, Mild
* Lymph Node, Mesenteric	Artery, Vein	Mineralization	Minimal
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 161	TRT#: 7 DOSE: 0.25%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 589 HISTO: 9400111
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ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]			
* Testes	Interstit Cell	Hyperplasia	Mild
[Hyperplasia TGLS = 1-10: Hyperplasia, Interstitial Cell, Mild]			

PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Brain	Astrocytoma Malignant;Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 162

TRT#: 7

SEX: Male

DAY ON TEST: 436

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400112

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Epididymis	* Esophagus
* 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	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Brain		Hemorrhage	Mild
		Leukemia Mononuclear	
	[Hemorrhage TGLS = 3-6: Hemorrhage, Mild]		
Coagulat GI			
	Note: TGL#3-6-NCL: Black Foci, Noted At Necropsy, Not Apparent Histopathologically.		
* Heart		Cardiomyopathy	Chronic, Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Hepatocyte	Necrosis	Minimal
* Lung		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
	Mediastinal	Leukemia Mononuclear	
Lymph Node		Hyperplasia	Cystic, Mild
* Mammary Gland		Inflammation	Suppurative, Mild
* Nose			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 162	TRT#: 7 DOSE: 0.25%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 436 HISTO: 9400112
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-12: Mononuclear Cell Leukemia]			
* Urinary Bladder		Hemorrhage Leukemia Mononuclear	Marked
[Hemorrhage TGLS = 2-1: Hemorrhage, Marked]			
[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell leukemia]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 163

TRT#: 7

SEX: Male

DAY ON TEST: 533

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400113

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Brain	* Esophagus	* 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	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Marked
	[Mineralization TGLS = 5-7: Mineralization, Marked, Aorta]		
* Bone		Fibrous Osteodystrophy	Moderate
* Bone Marrow		Hyperplasia	Marked
* Epididymis		Mesothelioma Malignant	
		Necrosis	Marked
* Heart		Cardiomyopathy	Chronic, Moderate
* Kidney		Mesothelioma Malignant	
		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 4-1: Nephropathy, Chronic, Marked]		
* Liver	Hepatocyte	Degeneration	Cystic, Minimal
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
	[Hepatodiaphragmatic Nodule TGLS = 3-13: Hepatodiaphragmatic Nodule]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
	Interstitium	Mineralization	Mild
Mesentery		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 1-12: Malignant Mesothelioma]		
* Nose		Inflammation	Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 163

TRT#: 7

SEX: Male

DAY ON TEST: 533

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400113

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Mesothelioma Malignant	
* Parathyroid Gland		Hyperplasia	Moderate
Note: Hyperplastic Ectopic Parathyroid Gland Tissue Present On Slide 02, Associated With Thymic Tissue.			
[Hyperplasia TGLS = 6-7: Hyperplasia, Moderate]			
Peritoneum		Mesothelioma Malignant	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Minimal
		Mesothelioma Malignant	
* Seminal Vesicle		Mesothelioma Malignant	
* Spleen		Mesothelioma Malignant	
* Stomach, Glandular		Mineralization	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
		Mesothelioma Malignant	
[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]			

PRIMARY CAUSE OF DEATH - Kidney Nephropathy
 CONTRIBUTORY CAUSE OF DEATH - Mesentery Mesothelioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Primidone (primaclone)
 CAS Number: 125-33-7

Date Report Requested: 10/19/2014
 Time Report Requested: 08:31:28
 First Dose M/F: NA / NA
 Lab: BAT

ANIMAL ID: 164

TRT#: 7

SEX: Male

DAY ON TEST: 437

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400114

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
Blood Vessel	Aorta	Mineralization	Moderate
* Bone		Fibrous Osteodystrophy	Mild
* Heart		Cardiomyopathy	Chronic, Mild
		Mineralization	Mild
* Kidney	Renal Tubule	Hyperplasia	Marked
		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Marked]		
* Liver	Centrilobular, Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
* Lung	Alveolus	Inflammation	Suppurative, Moderate
	Artery, Vein	Mineralization	Minimal
	Interstitialium	Mineralization	Moderate
* Nose		Inflammation	Suppurative, Mild
* Parathyroid Gland		Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Stomach, Glandular		Mineralization	Moderate
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
	[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell]		

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 165

TRT#: 7

SEX: Male

DAY ON TEST: 589

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400115

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
Blood Vessel	Aorta	Mineralization	Moderate
* Bone		Fibrous Osteodystrophy	Mild
* Heart		Cardiomyopathy	Chronic, Moderate
* Kidney		Cyst	Moderate
		Nephropathy	Chronic, Marked
		[Cyst TGLS = 2-1: Cyst, Moderate]	
		[Nephropathy TGLS = 1-1: Nephropathy, Chronic, Marked]	
* Liver	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
		[Hypertrophy TGLS = 4,5-4+5:Hypertrophy,Hepatocyte,Centrilob,Moderate]	
		[Vacuolization Cytoplasmic TGLS = 4,5-4+5:Vacuoliz Cytoplasm,Hepatocyte,Moderate]	
* Lung	Alveolus, Interstitium	Inflammation	Suppurative, Mild
	Artery, Vein	Mineralization	Minimal
	Interstitium	Mineralization	Mild
* Parathyroid Gland		Hyperplasia	Moderate
		[Hyperplasia TGLS = 6-7: Hyperplasia, Moderate]	
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Stomach, Glandular		Mineralization	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 3-10: Adenoma, Interstitial Cell, Bilateral]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 165

TRT#: 7

SEX: Male

DAY ON TEST: 589

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400115

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 166

TRT#: 7

SEX: Male

DAY ON TEST: 532

DOSE: 0.25%

DISP: Natural Death

HISTO: 9400116

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Epididymis
* Esophagus	* 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	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

Blood Vessel	Aorta	Mineralization	Moderate
* Bone		Fibrous Osteodystrophy	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Chronic, Moderate
		Mineralization	Moderate
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 3-1: Nephropathy, Chronic, Marked]		
* Liver	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Artery, Vein	Mineralization	Mild
	Interstitium	Mineralization	Moderate
* Parathyroid Gland		Hyperplasia	Moderate
	[Hyperplasia TGLS = 4-7: Hyperplasia, Moderate]		
* Preputial Gland		Hyperplasia	Marked
	[Hyperplasia TGLS = 1-12: Hyperplasia, Marked]	Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Stomach, Glandular		Mineralization	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-10: Adenoma, Interstitial cell, Bilateral]		

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 167

TRT#: 7

SEX: Male

DAY ON TEST: 589

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400117

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Esophagus	* 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	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
Blood Vessel		Inflammation	Chronic Active, Marked
	Aorta	Mineralization	Marked
		Necrosis	Fibrinoid, Mild
	[Mineralization TGLS = 3-7: Mineralization, Marked, Aorta]		
* Bone		Fibrous Osteodystrophy	Moderate
* Epididymis		Mineralization	Mild
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Marked]		
* Liver	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic, Minimal
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung	Interstitial	Inflammation	Chronic Active, Mild
	Artery, Vein	Mineralization	Minimal
	Interstitial	Mineralization	Mild
Lymph Node	Renal	Ectasia	Mild
	[Ectasia TGLS = 6-12: Ectasia, Mild, Renal]		
* Nose		Inflammation	Chronic Active, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 167	TRT#: 7	SEX: Male	DAY ON TEST: 589
	DOSE: 0.25%	DISP: Moribund Sacrifice	HISTO: 9400117

ORGAN AND ACCOUNTABLE SITE STATUS

* Parathyroid Gland [Hyperplasia TGLS = 4-7: Hyperplasia, Marked]	Respirat Epith	Metaplasia Hyperplasia	Squamous, Moderate Marked
* Pituitary Gland [Adenoma TGLS = 7-7: Adenoma, Pars Distalis]	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Skin		Inflammation	Suppurative, Moderate
* Spleen [Fibrosis TGLS = 5-1: Fibrosis, Mild]		Fibrosis	Mild
* Stomach, Glandular		Mineralization	Moderate
* Testes [Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH	- Kidney Nephropathy
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 168

TRT#: 7

SEX: Male

DAY ON TEST: 254

DOSE: 0.25%

DISP: Natural Death

HISTO: 9400118

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Brain	* Epididymis	* Esophagus
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Adrenal Medulla

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Adrenal Cortex		Mineralization	Moderate
		Necrosis	Mild
* Bone		Fibrous Osteodystrophy	Marked
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
Note: TGL#3-1-NST: Unable To Identify Right Kidney At Trim.			
* Liver	Centrilobular, Hepatocyte Hepatocyte	Hypertrophy Vacuolization Cytoplasmic	Moderate Mild
	[Hypertrophy TGLS = 2-4+5: Hypertrophy, Hepatocyte, Centrilob, Moderate]		
* Lung	Artery, Vein	Mineralization	Minimal
* Parathyroid Gland		Hyperplasia	Mild
	[Hyperplasia TGLS = 4-7: Hyperplasia, Mild]		
* Preputial Gland		Hyperplasia Inflammation	Moderate Chronic Active, Moderate
	[Hyperplasia TGLS = 1-11: Hyperplasia, Moderate]		
* Stomach, Glandular		Mineralization	Mild

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 169

TRT#: 7

SEX: Male

DAY ON TEST: 589

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400119

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 3-1: Nephropathy, Chronic, Moderate]		
* Liver	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
* Lung	Interstitial	Inflammation	Chronic Active, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Preputial Gland		Inflammation	Chronic Active, Minimal
	Note: Only One Preputial Gland Available For Histopathological Examination.		
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]		
* Thyroid Gland	Follicular Cel	Carcinoma	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 169

TRT#: 7
DOSE: 0.25%

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 589
HISTO: 9400119

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 170

TRT#: 7

SEX: Male

DAY ON TEST: 562

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400120

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 4-1: Nephropathy, Chronic, Marked]		
* Liver	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
* Lung	Perivascular	Infiltration Cellular	Lymphocyte, Minimal
	Artery, Vein	Mineralization	Minimal
Lymph Node	Renal	Ectasia	Mild
	Renal	Pigmentation	Hemosiderin, Minimal
	[Ectasia TGLS = 5-12: Ectasia, Mild, Renal]		
* Parathyroid Gland		Hyperplasia	Mild
	[Hyperplasia TGLS = 6-7: Hyperplasia, Mild]		
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Marked
* Skin	Pinna	Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLS = 1-13: Squamous Cell Papilloma, Pinna]		
* Spleen		Fibrosis	Moderate
	[Fibrosis TGLS = 3-1: Fibrosis, Moderate]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 170	TRT#: 7 DOSE: 0.25%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 562 HISTO: 9400120
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ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	Follicle	Cyst	Moderate
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 171

TRT#: 7

SEX: Male

DAY ON TEST: 585

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400121

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* 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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Salivary Glands	* Skin	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Minimal
Blood Vessel	Aorta	Mineralization	Moderate
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Chronic, Moderate
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 3-1: Nephropathy, Chronic, Marked]		
* Liver	Hepatocyte	Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Alveolus, Interstitium	Inflammation	Suppurative, Mild
	Artery, Vein	Mineralization	Minimal
	Interstitium	Mineralization	Mild
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Mineralization	Mild
* Spleen		Fibrosis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 171	TRT#: 7	SEX: Male	DAY ON TEST: 585
	DOSE: 0.25%	DISP: Moribund Sacrifice	HISTO: 9400121

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 1-1: Fibrosis, Moderate]			
* Stomach, Forestomach		Mineralization	Mild
* Stomach, Glandular		Mineralization	Moderate
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell]			
* Thyroid Gland	Follicle	Cyst	Mild

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 172

TRT#: 7

SEX: Male

DAY ON TEST: 585

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400122

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|--------------------------|---------------------------|-----------------------------|
| * Bone Marrow | * Brain | * Epididymis | * Esophagus |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Islets, Pancreatic | * Lymph Node, Mandibular | * Mammary Gland |
| * Pancreas | * Pituitary Gland | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Stomach, Forestomach | * Thymus | * Trachea |
| * Urinary Bladder | | | |

AUTO PRECLUDES DIAG.

- * Intestine Small, Jejunum

OBSERVATIONS

- | | | | |
|--------------------------|---------------------------|--|-------------------|
| * Adrenal Cortex | | Degeneration | Fatty, Minimal |
| * Adrenal Medulla | | Hyperplasia | Mild |
| Blood Vessel | Aorta | Mineralization | Minimal |
| * Bone | | Fibrous Osteodystrophy | Moderate |
| * Heart | | Cardiomyopathy | Chronic, Moderate |
| * Kidney | | Cyst | Moderate |
| | | Leukemia Mononuclear | |
| | | Nephropathy | Chronic, Marked |
| | | [Cyst TGLS = 4-1+12: Cyst, Moderate] | |
| | | [Nephropathy TGLS = 3-1: Nephropathy, Chronic, Marked] | |
| * Liver | Centrilobular, Hepatocyte | Hypertrophy | Moderate |
| | | Inflammation | Chronic, Minimal |
| | | Leukemia Mononuclear | |
| | Hepatocyte | Vacuolization Cytoplasmic | Mild |
| * Lung | | Leukemia Mononuclear | |
| | Artery, Vein | Mineralization | Minimal |
| Lymph Node | Mediastinal | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Nose | | Inflammation | Suppurative, Mild |
| * Parathyroid Gland | | Hyperplasia | Moderate |
| | | [Hyperplasia TGLS = 5-7: Hyperplasia, Moderate] | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 172	TRT#: 7	SEX: Male	DAY ON TEST: 585
	DOSE: 0.25%	DISP: Moribund Sacrifice	HISTO: 9400122

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]			
* Stomach, Glandular		Mineralization	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]			
* Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH	- Kidney Nephropathy
CONTRIBUTORY CAUSE OF DEATH	- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 173

TRT#: 7

SEX: Male

DAY ON TEST: 599

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400123

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Pituitary Gland	* Prostate	* Salivary Glands
* Skin	* Spleen	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
Blood Vessel	Aorta	Mineralization	Marked
* Bone		Fibrous Osteodystrophy	Marked
* Heart		Cardiomyopathy	Chronic, Moderate
		Mineralization	Mild
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Marked]		
* Liver	Hepatocyte	Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic, Mild
	Hepatocyte	Necrosis	Mild
		Pigmentation	Hemosiderin, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolus, Interstitium	Inflammation	Suppurative, Mild
	Artery, Vein	Mineralization	Minimal
	Interstitium	Mineralization	Moderate
* Parathyroid Gland		Hyperplasia	Moderate
	[Hyperplasia TGLS = 3-7: Hyperplasia, Moderate]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Mineralization	Moderate
* Stomach, Forestomach		Mineralization	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 173	TRT#: 7	SEX: Male	DAY ON TEST: 599
	DOSE: 0.25%	DISP: Moribund Sacrifice	HISTO: 9400123

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular		Mineralization	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]			

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 174

TRT#: 7

SEX: Male

DAY ON TEST: 583

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400124

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* 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
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Atrophy	Marked
		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 4-1: Nephropathy, Chronic, Moderate]		
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Hepatocyte	Necrosis	Mild
		Pigmentation	Hemosiderin, Minimal
	[Leukemia Mononuclear TGLS = 3-4+5: Mononuclear Cell Leukemia]		
* Lung		Leukemia Mononuclear	
* Nose		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Hypertrophy	Mild
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic Active, Mild
* Spleen		Fibrosis	Minimal
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 174	TRT#: 7	SEX: Male	DAY ON TEST: 583
	DOSE: 0.25%	DISP: Moribund Sacrifice	HISTO: 9400124

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell]			
[Hyperplasia TGLS = 1-10:Hyperplasia,Interstitial Cell,Minimal]			
* Thyroid Gland	Follicular Cel	Adenoma	
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	
CONTRIBUTORY CAUSE OF DEATH	- Kidney	Nephropathy	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 175

TRT#: 7

SEX: Male

DAY ON TEST: 599

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400125

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone		Fibrous Osteodystrophy	Mild
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Cyst	Moderate
		Nephropathy	Chronic, Marked
	[Cyst TGLS = 3-12: Cyst, Moderate]		
	[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Marked]		
* Liver	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Minimal
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolar Epith	Hyperplasia	Mild
	Artery, Vein	Mineralization	Minimal
* Parathyroid Gland		Hyperplasia	Moderate
	[Hyperplasia TGLS = 4-7: Hyperplasia, Moderate]		
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Chronic Active, Marked
	Epithelium	Ulcer	Marked
	[Ulcer TGLS = 5-12: Ulcer, Marked]		
* Stomach, Glandular		Mineralization	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 175	TRT#: 7	SEX: Male	DAY ON TEST: 599
	DOSE: 0.25%	DISP: Moribund Sacrifice	HISTO: 9400125

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
	[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell]		
	[Hyperplasia TGLS = 1-10: Hyperplasia, Interstitial Cell, Mild]		

PRIMARY CAUSE OF DEATH	- Kidney Nephropathy
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 176

TRT#: 7

SEX: Male

DAY ON TEST: 548

DOSE: 0.25%

DISP: Natural Death

HISTO: 9400126

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Esophagus
* Salivary Glands
* Trachea

* Adrenal Medulla
* Lymph Node, Mandibular
* Skin

* Bone Marrow
* Nose
* Thymus

* Brain
* Pituitary Gland
* Thyroid Gland

MISSING

* Epididymis
* Intestine Small, Duodenum
* Lymph Node, Mesenteric
* Prostate
* Stomach, Glandular

* Intestine Large, Cecum
* Intestine Small, Ileum
* Mammary Gland
* Seminal Vesicle
* Testes

* Intestine Large, Colon
* Intestine Small, Jejunum
* Pancreas
* Spleen
* Urinary Bladder

* Intestine Large, Rectum
* Islets, Pancreatic
* Preputial Gland
* Stomach, Forestomach

OBSERVATIONS

Blood Vessel
* Bone
* Heart

Aorta

Mineralization
Fibrous Osteodystrophy
Cardiomyopathy
Mineralization
Nephropathy

Moderate
Moderate
Chronic, Moderate
Mild
Chronic, Marked

* Kidney

Note: Only one kidney available for histopathologic examination. Left kidney cannibalized.

[Nephropathy TGLS = 1-1: Nephropathy, Chronic, Marked]

* Liver

Bile Duct
Centrilobular, Hepatocyte
Hepatocyte

Hyperplasia
Hypertrophy
Vacuolization Cytoplasmic

Minimal
Mild
Moderate

* Lung

Artery, Vein
Interstitialium

Mineralization
Mineralization

Minimal
Moderate

* Parathyroid Gland

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 177

TRT#: 7

SEX: Male

DAY ON TEST: 596

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400127

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* 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
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Marked
	[Mineralization TGLS = 5-7: Mineralization, Marked, Aorta]		
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Chronic, Moderate
		Mineralization	Mild
* Intestine Large, Colon		Mineralization	Mild
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 1-1: Nephropathy, Chronic, Marked]		
* Liver		Basophilic Focus	
	Hepatocyte	Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic, Mild
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	Note: TGL#2-4-NCL:Adhesion, Observed At Necropsy, Not Demonstrated Histologically.		
* Lung	Artery, Vein	Mineralization	Mild
	Interstitium	Mineralization	Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Mineralization	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 177	TRT#: 7	SEX: Male	DAY ON TEST: 596
	DOSE: 0.25%	DISP: Moribund Sacrifice	HISTO: 9400127

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach		Mineralization	Mild
* Stomach, Glandular		Mineralization	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-10: Adenoma, Interstitial Cell, Bilateral]			

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 178

TRT#: 7

SEX: Male

DAY ON TEST: 641

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400128

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* 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
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Salivary Glands	* Seminal Vesicle	* Skin	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
* Bone		Fibrous Osteodystrophy	Mild
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney	Renal Tubule	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 1-1: Nephropathy, Chronic, Marked]		
* Liver	Hepatocyte	Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolar Epith	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Fibrosis	Mild
* Parathyroid Gland		Hyperplasia	Mild
	[Hyperplasia TGLS = 3-7: Hyperplasia, Mild]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 178

TRT#: 7

DOSE: 0.25%

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 641

HISTO: 9400128

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
	Epithelium	Inflammation	Chronic Active, Moderate
	Epithelium	Ulcer	Marked
	[Hyperplasia TGLS = 4-4+12: Hyperplasia, Epithelium, Moderate]		
	[Ulcer TGLS = 4-4+12: Ulcer, Epithelium, Marked]		
* Stomach, Glandular		Mineralization	Mild
	Epithelium	Necrosis	Moderate
	[Necrosis TGLS = 5-12: Necrosis, Epithelium, Moderate]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	
CONTRIBUTORY CAUSE OF DEATH	- Kidney	Nephropathy	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 179

TRT#: 7

SEX: Male

DAY ON TEST: 603

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400129

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Marked]		
* Liver	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Minimal
		Pigmentation	Hemosiderin, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
	Epithelium	Inflammation	Chronic Active, Moderate
	Epithelium	Ulcer	Marked
	[Ulcer TGLS = 3-12: Ulcer, Epithelium, Marked]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 179	TRT#: 7	SEX: Male	DAY ON TEST: 603
	DOSE: 0.25%	DISP: Moribund Sacrifice	HISTO: 9400129

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	Follicle	Cyst	Moderate
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		
CONTRIBUTORY CAUSE OF DEATH	- Stomach;Forestomach Epithelium Ulcer		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 180

TRT#: 7

SEX: Male

DAY ON TEST: 589

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400130

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Marked]		
* Liver		Basophilic Focus	
	Hepatocyte	Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Minimal
	Hepatocyte	Necrosis	Mild
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Nose		Inflammation	Chronic Active, Moderate
* Parathyroid Gland		Hyperplasia	Moderate
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Fibrosis	Moderate
	[Fibrosis TGLS = 3-1: Fibrosis, Moderate]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
	Epithelium	Inflammation	Chronic Active, Moderate
	Epithelium	Ulcer	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 180	TRT#: 7	SEX: Male	DAY ON TEST: 589
	DOSE: 0.25%	DISP: Moribund Sacrifice	HISTO: 9400130

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
	[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell]		
	[Hyperplasia TGLS = 1-10: Hyperplasia, Interstitial Cell, Minimal]		
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 181

TRT#: 7

SEX: Male

DAY ON TEST: 437

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400131

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-2: Mononuclear Cell Leukemia, Mediastinal]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-6: Mononuclear Cell Leukemia]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-4: Mononuclear Cell leukemia]	
* Preputial Gland		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 181	TRT#: 7	SEX: Male	DAY ON TEST: 437
	DOSE: 0.25%	DISP: Moribund Sacrifice	HISTO: 9400131

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]

* Testes	Interstit Cell	Hyperplasia	Minimal
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PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 182

TRT#: 7

SEX: Male

DAY ON TEST: 560

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400132

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
	[Leukemia Mononuclear TGLS = 3-1: Mononuclear Cell leukemia]		
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
	[Leukemia Mononuclear TGLS = 2-4+5: Mononuclear Cell Leukemia]		
* Lung		Leukemia Mononuclear	
		Metaplasia	Osseous, Minimal
	Artery, Vein	Mineralization	Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	Renal	Pigmentation	Hemosiderin, Mild
	[Leukemia Mononuclear TGLS = 6-13: Mononuclear Cell Leukemia, Renal]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Inflammation	Chronic Active, Moderate
Penis			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 182	TRT#: 7	SEX: Male	DAY ON TEST: 560
	DOSE: 0.25%	DISP: Moribund Sacrifice	HISTO: 9400132

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL#5-7-NCL: Parathyroid Glands Considered To Be WNL Histopathologically.

* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-12: Mononuclear Cell Leukemia]			
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Mild
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell]			
[Hyperplasia TGLS = 1-10: Hyperplasia, Interstitial Cell, Minimal]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 183

TRT#: 7

DOSE: 0.25%

SEX: Male

DISP: Natural Death

DAY ON TEST: 581

HISTO: 9400133

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Skin	* Spleen
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
Blood Vessel	Aorta	Mineralization	Marked
* Bone		Fibrous Osteodystrophy	Marked
* Heart		Cardiomyopathy	Chronic, Mild
		Mineralization	Moderate
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 3-1: Nephropathy, Chronic, Marked]		
* Liver	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
* Lung	Artery, Vein	Mineralization	Mild
	Interstitium	Mineralization	Moderate
* Nose	Arteriole, Venule	Thrombosis	Marked
* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Moderate
	[Hyperplasia TGLS = 4-7: Hyperplasia, Moderate]		
* Preputial Gland		Hyperplasia	Mild
* Seminal Vesicle		Atrophy	Moderate
	[Atrophy TGLS = 2-10: Atrophy, Moderate]	Mineralization	Moderate
* Stomach, Forestomach		Mineralization	Mild
* Stomach, Glandular		Mineralization	Moderate
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 183

TRT#: 7
DOSE: 0.25%

SEX: Male
DISP: Natural Death

DAY ON TEST: 581
HISTO: 9400133

ORGAN AND ACCOUNTABLE SITE STATUS

Germinal Epith
Interstitial Cell

Degeneration
Hyperplasia

Marked
Mild

[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell]

[Hyperplasia TGLS = 1-10: Hyperplasia, Interstitial Cell, Mild]

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 184

TRT#: 7

SEX: Male

DAY ON TEST: 561

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400134

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* 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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Bone		Fibrous Osteodystrophy	Marked
* Heart		Cardiomyopathy	Chronic, Moderate
* Kidney	Renal Tubule	Cyst	Mild
		Hyperplasia	Marked
		Nephropathy	Chronic, Marked
	[Cyst TGLS = 2-1: Cyst, Mild]		
	[Nephropathy TGLS = 1-1: Nephropathy, Chronic, Marked]		
* Liver	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	Note: TGL#12-14-NCL: Focus, Left Lateral Lobe, Noted At Necropsy, Not Apparent Histopathologically.		
* Lung	Artery, Vein	Mineralization	Minimal
Mesentery		Angiectasis	Moderate
		Inflammation	Chronic Active, Moderate
	[Angiectasis TGLS = 4,5,6-12+13: Angiectasis, Moderate]		
	[Inflammation TGLS = 3,7,8-12+13: Inflammation, Chronic-Active, Moderate]		
* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Moderate
	[Hyperplasia TGLS = 11-7: Hyperplasia, Moderate]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 184	TRT#: 7	SEX: Male	DAY ON TEST: 561
	DOSE: 0.25%	DISP: Moribund Sacrifice	HISTO: 9400134

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Fibrosis TGLS = 9-12: Fibrosis, Moderate]		Fibrosis	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
	Epithelium	Inflammation	Chronic Active, Mild
	Epithelium	Ulcer	Moderate
* Stomach, Glandular		Mineralization	Moderate
* Testes [Adenoma TGLS = 10-10: Adenoma, Interstitial Cell, Bilateral]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 185

TRT#: 7

SEX: Male

DAY ON TEST: 619

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400135

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Marked
* Heart		Leukemia Mononuclear Cardiomyopathy	Chronic, Minimal
* Kidney		Leukemia Mononuclear Nephropathy	Chronic, Moderate
* Liver	Hepatocyte Bile Duct	Degeneration Hyperplasia Leukemia Mononuclear	Cystic, Minimal Mild
[Leukemia Mononuclear TGLS = 4-4+5: Mononuclear Cell Leukemia]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Preputial Gland		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear Necrosis	Marked
[Leukemia Mononuclear TGLS = 2-12: Mononuclear Cell Leukemia]			
[Necrosis TGLS = 3-12: Necrosis, Marked]			
* Stomach, Forestomach	Epithelium Epithelium	Hyperplasia Inflammation	Mild Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 185	TRT#: 7	SEX: Male	DAY ON TEST: 619
	DOSE: 0.25%	DISP: Moribund Sacrifice	HISTO: 9400135

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell	Adenoma
[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]		
* Thyroid Gland	C Cell	Adenoma

PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Kidney	Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 186

TRT#: 7

SEX: Male

DAY ON TEST: 542

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400136

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Brain
* Epididymis	* Esophagus	* 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	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adren Cortex			
Note: Only One Adrenal Gland Available For Histopathological Examination.			
* Bone		Fibrous Osteodystrophy	Mild
* Bone Marrow		Hyperplasia	Marked
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney	Renal Tubule	Hyperplasia	Mild
		Leukemia Mononuclear	
		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 1-1: Nephropathy, Chronic, Marked]		
* Liver	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-4+5: Mononuclear Cell Leukemia]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Renal	Ectasia	Moderate
	Renal	Leukemia Mononuclear	
	[Ectasia TGLS = 5-13: Ectasia, Moderate, Renal]		
	[Leukemia Mononuclear TGLS = 5-13: Mononuclear Cell Leukemia, Renal]		
* Parathyroid Gland		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 186	TRT#: 7	SEX: Male	DAY ON TEST: 542
	DOSE: 0.25%	DISP: Moribund Sacrifice	HISTO: 9400136

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Hyperplastic Parathyroid Gland Tissue Adjacent To Thymus On Slide 02.

[Hyperplasia TGLS = 6-7: Hyperplasia, Mild]

* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic Active, Mild
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
	[Fibrosis TGLS = 2-12: Fibrosis, Moderate]		
	[Leukemia Mononuclear TGLS = 3-1: Mononuclear Cell Leukemia]		
* Stomach, Glandular		Mineralization	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 7-10: Adenoma, Interstitial Cell, Bilateral]		
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Kidney	Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Primidone (primaclone)
 CAS Number: 125-33-7

Date Report Requested: 10/19/2014
 Time Report Requested: 08:31:28
 First Dose M/F: NA / NA
 Lab: BAT

ANIMAL ID: 187

TRT#: 7

SEX: Male

DAY ON TEST: 537

DOSE: 0.25%

DISP: Natural Death

HISTO: 9400137

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

Blood Vessel	Aorta	Mineralization	Moderate
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Chronic, Moderate
		Mineralization	Moderate
	Atrium	Thrombosis	Marked
	[Thrombosis TGLS = 3-5: Thrombosis, Atrium, Marked]		
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 1-1: Nephropathy, Chronic, Marked]		
* Liver	Hepatocyte	Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Necrosis	Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Alveolus	Inflammation	Suppurative, Mild
	Artery, Vein	Mineralization	Mild
	Interstitium	Mineralization	Mild
* Nose		Inflammation	Suppurative, Moderate
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Prostate		Inflammation	Chronic Active, Mild
* Stomach, Forestomach		Mineralization	Moderate
* Stomach, Glandular		Mineralization	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 187

TRT#: 7
DOSE: 0.25%

SEX: Male
DISP: Natural Death

DAY ON TEST: 537
HISTO: 9400137

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell	Adenoma
[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]		

PRIMARY CAUSE OF DEATH	- Kidney Nephropathy
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocyte Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 188

TRT#: 7

SEX: Male

DAY ON TEST: 517

DOSE: 0.25%

DISP: Natural Death

HISTO: 9400138

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

Blood Vessel	Aorta	Mineralization	Moderate
* Bone		Fibrous Osteodystrophy	Marked
* Heart		Cardiomyopathy	Chronic, Mild
		Mineralization	Mild
* Kidney		Cyst	Mild
		Nephropathy	Chronic, Marked
			[Cyst TGLS = 3-1+12: Cyst, Mild]
			[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Marked]
* Liver	Hepatocyte	Degeneration	Cystic, Minimal
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Mild
			[Hepatodiaphragmatic Nodule TGLS = 5-12: Hepatodiaphragmatic Nodule]
			[Vacuolization Cytoplasmic TGLS = 4-4+5: Vacuolization, Cytoplasm, Hepatocyte, Mild]
* Lung	Artery, Vein	Mineralization	Mild
	Interstitium	Mineralization	Mild
* Nose		Inflammation	Chronic Active, Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Prostate		Inflammation	Chronic Active, Minimal
* Stomach, Forestomach		Mineralization	Mild
* Stomach, Glandular		Mineralization	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 188	TRT#: 7	SEX: Male	DAY ON TEST: 517
	DOSE: 0.25%	DISP: Natural Death	HISTO: 9400138

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell	Adenoma
	[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]	
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 189

TRT#: 7

SEX: Male

DAY ON TEST: 583

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400139

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
Blood Vessel	Aorta	Mineralization	Marked
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Chronic, Moderate
* Kidney	Renal Tubule	Hyperplasia	Mild
		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Marked]		
* Liver		Basophilic Focus	
	Hepatocyte	Degeneration	Cystic, Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
	Hepatocyte	Necrosis	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Artery, Vein	Mineralization	Minimal
	Interstitium	Mineralization	Moderate
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
		Inflammation	Suppurative, Moderate
* Parathyroid Gland		Hyperplasia	Moderate
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Minimal
* Seminal Vesicle		Mineralization	Moderate
* Stomach, Forestomach		Mineralization	Mild
* Stomach, Glandular		Mineralization	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 189

TRT#: 7
DOSE: 0.25%

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 583
HISTO: 9400139

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Primidone (primaclone)
 CAS Number: 125-33-7

Date Report Requested: 10/19/2014
 Time Report Requested: 08:31:28
 First Dose M/F: NA / NA
 Lab: BAT

ANIMAL ID: 190

TRT#: 7

SEX: Male

DAY ON TEST: 529

DOSE: 0.25%

DISP: Natural Death

HISTO: 9400140

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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
* Lymph Node, Mandibular	* Nose	* Pancreas	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
		Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Moderate
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney	Renal Tubule	Adenoma	
		Cyst	Mild
	Renal Tubule	Hyperplasia	Mild
		Nephropathy	Chronic, Marked
		[Cyst TGLS = 3-12: Cyst, Mild]	
		[Nephropathy TGLS = 4-1: Nephropathy. Chronic, Marked]	
* Liver	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
* Lung	Artery, Vein	Mineralization	Mild
	Interstitialium	Mineralization	Moderate
* Lymph Node, Mesenteric		Ectasia	Mild
* Parathyroid Gland		Hyperplasia	Mild
		[Hyperplasia TGLS = 5-7: Hyperplasia, Mild]	
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 190	TRT#: 7 DOSE: 0.25%	SEX: Male DISP: Natural Death	DAY ON TEST: 529 HISTO: 9400140
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ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Ulcer TGLS = 1-13]	Pinna	Hyperplasia Ulcer	Basal Cell, Mild Moderate
* Stomach, Glandular		Mineralization	Moderate
* Testes [Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland [Adenoma TGLS = 6-7: Adenoma, Follicular Cell]	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 191

TRT#: 7

SEX: Male

DAY ON TEST: 569

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400141

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Pituitary Gland
* Prostate	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
Blood Vessel	Aorta	Mineralization	Moderate
* Bone		Fibrous Osteodystrophy	Marked
* Heart		Cardiomyopathy	Chronic, Moderate
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Chronic, Marked
		[Nephropathy TGLS = 3-1: Nephropathy, Chronic, Marked]	
* Liver	Hepatocyte	Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Minimal
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Artery, Vein	Mineralization	Minimal
	Interstitium	Mineralization	Moderate
* Mammary Gland		Hyperplasia	Cystic, Minimal
Mesentery	Artery	Inflammation	Chronic Active, Moderate
	Artery	Mineralization	Moderate
	Artery	Necrosis	Fibrinoid, Moderate
* Nose		Inflammation	Chronic Active, Moderate
* Parathyroid Gland		Hyperplasia	Moderate
* Preputial Gland		Inflammation	Chronic Active, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 191	TRT#: 7	SEX: Male	DAY ON TEST: 569
	DOSE: 0.25%	DISP: Moribund Sacrifice	HISTO: 9400141

ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle [Atrophy TGLS = 2-10: Atrophy, Moderate]		Atrophy	Moderate
* Stomach, Glandular		Mineralization	Moderate
* Testes [Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 192

TRT#: 7

SEX: Male

DAY ON TEST: 626

DOSE: 0.25%

DISP: Natural Death

HISTO: 9400142

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Esophagus	* 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	* Pituitary Gland	* Salivary Glands
* Skin	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Moderate
* Bone		Fibrous Osteodystrophy	Marked
* Epididymis		Mineralization	Moderate
* Heart		Cardiomyopathy	Chronic, Moderate
		Mineralization	Mild
* Intestine Large, Colon		Mineralization	Mild
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 5-1: Nephropathy, Chronic, Marked]		
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	Note: TGL#7-13: Nodule, Noted At Trim, Not Apparent Histopathologically. Probably Normal Irregularity Of Margin Of Liver Lobe.		
	[Hepatodiaphragmatic Nodule TGLS = 4-12: Hepatodiaphragmatic Nodule]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
	Interstitium	Mineralization	Moderate
* Parathyroid Gland		Hyperplasia	Moderate
	[Hyperplasia TGLS = 8-7: Hyperplasia, Moderate]		
* Preputial Gland		Inflammation	Chronic Active, Mild
	[Inflammation TGLS = 3-11: Inflammation, Chronic-Active, Mild]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 192	TRT#: 7 DOSE: 0.25%	SEX: Male DISP: Natural Death	DAY ON TEST: 626 HISTO: 9400142
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ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate	Inflammation	Chronic Active, Mild
* Seminal Vesicle	Mineralization	Moderate
* Spleen	Fibrosis	Mild
[Fibrosis TGLS = 6-1: Fibrosis, Mild]		
* Stomach, Forestomach	Mineralization	Mild
* Stomach, Glandular	Mineralization	Moderate
* Testes	Bilateral, Interstit Cell Adenoma	
Note: TGL#2-10-NCL: Size Of Right Testes Considered To Be WNL Histopathologically. Probably Appeared Smaller Because Left Testes Contained A Larger Adenoma.		
[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]		

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 193

TRT#: 7

SEX: Male

DAY ON TEST: 619

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400143

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Epididymis	* Esophagus
* 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
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
Blood Vessel	Aorta	Mineralization	Minimal
* Bone		Fibrous Osteodystrophy	Marked
* Brain		Astrocytoma Malignant	
Coagulating Gland		Inflammation	Chronic Active, Moderate
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 3-1: Nephropathy, Chronic, Marked]		
* Liver	Hepatocyte	Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic, Mild
		Pigmentation	Hemosiderin, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Artery, Vein	Mineralization	Minimal
* Parathyroid Gland		Hyperplasia	Moderate
	[Hyperplasia TGLS = 4-7: Hyperplasia, Moderate]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Fibrosis	Marked
	[Fibrosis TGLS = 1-12: Fibrosis, Marked]		
* Stomach, Glandular		Mineralization	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 193

TRT#: 7
DOSE: 0.25%

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 619
HISTO: 9400143

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell	Adenoma
[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]		

PRIMARY CAUSE OF DEATH	- Kidney Nephropathy
CONTRIBUTORY CAUSE OF DEATH	- Brain Astrocytoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 194

TRT#: 7

SEX: Male

DAY ON TEST: 380

DOSE: 0.25%

DISP: Natural Death

HISTO: 9400144

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* 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

* Bone		Osteopetrosis	Moderate
* Heart		Cardiomyopathy	Chronic, Mild
	Atrium	Thrombosis	Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	Hepatocyte	Necrosis	Moderate
* Lung		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Spleen		Fibrosis	Minimal

PRIMARY CAUSE OF DEATH - Liver Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocyte Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 195

TRT#: 7

SEX: Male

DAY ON TEST: 522

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400145

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Salivary Glands
* Seminal Vesicle	* Skin	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Mild
* Bone		Fibrous Osteodystrophy	Marked
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 1-1: Nephropathy, Chronic, Marked]		
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Minimal
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[Vacuolization Cytoplasmic TGLS = 3-4+5: Vacuoliz Cytoplasmic, Hepatocyte, Moderate]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Nose		Inflammation	Suppurative, Mild
* Parathyroid Gland		Hyperplasia	Mild
	[Hyperplasia TGLS = 4-7: Hyperplasia, Mild]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 195	TRT#: 7	SEX: Male	DAY ON TEST: 522
	DOSE: 0.25%	DISP: Moribund Sacrifice	HISTO: 9400145

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
	Epithelium	Inflammation	Chronic Active, Mild
	Epithelium	Ulcer	Marked
	[Hyperplasia TGLS = 5-12: Hyperplasia, Epithelium, Mild]		
	[Ulcer TGLS = 5-12: Ulcer, Epithelium, Marked]		
* Stomach, Glandular		Mineralization	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]		

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 196

TRT#: 7

SEX: Male

DAY ON TEST: 556

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400146

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Epididymis	* Esophagus	* 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	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Adrenal Medulla		Hyperplasia	Mild
Blood Vessel	Aorta	Mineralization	Moderate
* Bone		Fibrous Osteodystrophy	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Cyst	Marked
		Nephropathy	Chronic, Marked
			[Cyst TGLS = 5-1: Cyst, Marked]
			[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Marked]
* Liver	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic, Minimal
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose		Inflammation	Chronic Active, Minimal
* Parathyroid Gland		Hyperplasia	Mild
			[Hyperplasia TGLS = 4-7: Hyperplasia, Mild]
* Pituitary Gland	Pars Intermed	Cyst	Minimal
	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 196	TRT#: 7 DOSE: 0.25%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 556 HISTO: 9400146
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ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach	Epithelium Epithelium Epithelium	Hyperplasia Inflammation Ulcer	Mild Chronic Active, Mild Marked
* Stomach, Glandular		Mineralization	Moderate
* Testes	Bilateral, Interstit Cell [Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]	Adenoma	

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 197

TRT#: 7

SEX: Male

DAY ON TEST: 544

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400147

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* 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
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 3-1: Nephropathy, Chronic, Moderate]		
* Liver	Centrilobular, Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 4-7: Adenoma, Pars Distalis]		
* Preputial Gland		Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
* Skin		Trichoepithelioma	
	[Trichoepithelioma TGLS = 1-12: Trichoepithelioma]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-10: Adenoma, Interstitial Cell, Bilateral]		

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

CONTRIBUTORY CAUSE OF DEATH - Skin Trichoepithelioma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Primidone (primaclone)
 CAS Number: 125-33-7

Date Report Requested: 10/19/2014
 Time Report Requested: 08:31:28
 First Dose M/F: NA / NA
 Lab: BAT

ANIMAL ID: 198

TRT#: 7

SEX: Male

DAY ON TEST: 589

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400148

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
Blood Vessel	Aorta	Mineralization	Marked
* Bone		Fibrous Osteodystrophy	Marked
* Heart		Cardiomyopathy	Chronic, Moderate
* Kidney		Cyst	Moderate
		Nephropathy	Chronic, Marked
		[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Marked]	
* Liver	Hepatocyte	Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic, Mild
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung	Alveolar Epith	Hyperplasia	Moderate
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Alveolus, Interstitium	Inflammation	Suppurative, Mild
	Artery, Vein	Mineralization	Mild
	Interstitium	Mineralization	Moderate
		[Hyperplasia TGLS = 3-12: Hyperplasia, Alveolar Epithelium, Moderate]	
* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Moderate
* Preputial Gland		Inflammation	Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 198	TRT#: 7	SEX: Male	DAY ON TEST: 589
	DOSE: 0.25%	DISP: Moribund Sacrifice	HISTO: 9400148

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular		Mineralization	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]			

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 199

TRT#: 7

SEX: Male

DAY ON TEST: 559

DOSE: 0.25%

DISP: Natural Death

HISTO: 9400149

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* 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
* Salivary Glands	* Skin	* Spleen	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Marked
* Bone		Fibrous Osteodystrophy	Marked
* Heart		Cardiomyopathy	Chronic, Mild
		Mineralization	Mild
* Intestine Large, Colon	Muscularis	Mineralization	Mild
* Kidney		Lipoma	
		Nephropathy	Chronic, Marked
		[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Marked]	
* Liver	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
* Lung	Artery, Vein	Mineralization	Minimal
	Interstitium	Mineralization	Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Mineralization	Mild
* Stomach, Forestomach		Mineralization	Minimal
* Stomach, Glandular		Mineralization	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 199

TRT#: 7
DOSE: 0.25%

SEX: Male
DISP: Natural Death

DAY ON TEST: 559
HISTO: 9400149

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

Follicle

Cyst

Mild

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 200

TRT#: 7

SEX: Male

DAY ON TEST: 505

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400150

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Adrenal Medulla		Hyperplasia	Mild
Blood Vessel	Aorta	Mineralization	Mild
* Bone		Fibrous Osteodystrophy	Moderate
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney	Renal Tubule	Hyperplasia	Marked
		Nephropathy	Chronic, Marked
		[Nephropathy TGLS = 3-1: Nephropathy, Chronic, Marked]	
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
		[Vacuolization Cytoplasmic TGLS = 2-4+5: Cytoplasmic Vacuolization, Hepatocyte,Min]	
* Lung		Inflammation	Chronic Active, Minimal
	Artery, Vein	Mineralization	Minimal
* Nose		Inflammation	Suppurative, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Mild
		[Hyperplasia TGLS = 4-7: Hyperplasia, Mild]	
* Preputial Gland		Inflammation	Chronic Active, Mild
* Stomach, Glandular		Mineralization	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 200

TRT#: 7

SEX: Male

DAY ON TEST: 505

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400150

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-10: Adenoma, Interstitial Cell, Bilateral]

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 201

TRT#: 2

SEX: Female

DAY ON TEST: 660

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400051

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Brain	* 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	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland		Adenoma	
Note: TGL#3-17: Right Inguinal Mammary Gland Mass, Noted At Necropsy, Is Clitoral Gland Adenoma Histopathologically. [Adenoma TGLS = 3-17: Adenoma]			
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
[Basophilic Focus TGLS = 7-11: Basophilic Focus]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Mild
[Fibroadenoma TGLS = 1,2-15+16: Fibroadenoma, Multiple]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin	Subcut Tiss	Fibrosarcoma	
[Fibrosarcoma TGLS = 4,5,6-12+13+14: Fibrosarcoma, Subcutaneous Tissue]			

PRIMARY CAUSE OF DEATH

- Clitoral Gland Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Mammary Gland Fibroadenoma;Skin Subcut Tiss Fibrosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 202

TRT#: 2

SEX: Female

DAY ON TEST: 697

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400052

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	* 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
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland		Hyperplasia	Mild
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
		Pigmentation	Hemosiderin, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Perivascular	Infiltration Cellular	Lymphocyte, Minimal
* Mammary Gland		Cyst	Marked
		Fibroadenoma	
[Cyst TGLS = 2-12: Cyst, Marked]			
[Fibroadenoma TGLS = 1-11: Fibroadenoma]			
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 4-13: Necrosis, Fat, Marked]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Uterus		Hydrometra	Moderate
[Hydrometra TGLS = 3-10: Hydrometra, Moderate]			

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 203

TRT#: 2

SEX: Female

DAY ON TEST: 675

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400053

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	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Perivascular	Infiltration Cellular	Lymphocyte, Mild
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Moderate
	[Fibroadenoma TGLS = 1,2,3-11+12+13: Fibroadenoma, Multiple]		
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Moderate
	[Cyst TGLS = 4-7: Cyst, Pars Distalis, Moderate]		

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 204

TRT#: 2

SEX: Female

DAY ON TEST: 415

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400054

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	* 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		Degeneration	Fatty, Minimal
* Bone Marrow		Hyperplasia	Mast Cell, Marked
* Clitoral Gland		Inflammation	Chronic Active, Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
		Pigmentation	Hemosiderin, Minimal
* Lung	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-11: Fibroadenoma]		
* Pituitary Gland	Pars Distalis	Cyst	Minimal
	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 205

TRT#: 2

SEX: Female

DAY ON TEST: 723

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9400055

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Hyperplasia	Moderate
		Inflammation	Chronic Active, Mild
	[Hyperplasia TGLS = 3-10: Hyperplasia, Moderate]		
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
	[Basophilic Focus TGLS = 7-4+5]		
	[Leukemia Mononuclear TGLS = 5-4+5: Mononuclear Cell leukemia]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 205	TRT#: 2 DOSE: 0.0%	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 723 HISTO: 9400055
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ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Fibroadenoma Hyperplasia	Multiple Cystic, Mild
[Fibroadenoma TGLS = 1,2-11+12: Fibroadenoma, Multiple]			
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma Leukemia Mononuclear	
[Adenoma TGLS = 6-7: Adenoma, Pars Distalis]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-1: Mononuclear Cell Leukemia]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 206

TRT#: 2

SEX: Female

DAY ON TEST: 723

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9400056

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	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
		Pigmentation	Hemosiderin, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
		[Fibroadenoma TGLS = 1-11: Fibroadenoma]	
* Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 207

TRT#: 2

SEX: Female

DAY ON TEST: 723

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9400057

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* 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
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic Active, Mild
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Inflammation	Chronic, Mild
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
* Skin		Hyperkeratosis	Moderate
	[Hyperkeratosis TGLS = 2-11: Hyperkeratosis, Moderate]		
* Spleen			
	Note: TGL#1-1-NCL: Spleen Considered To Be Witnin Normal Limits Histopathologically.		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 208

TRT#: 2
DOSE: 0.0%

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 626
HISTO: 9400058

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Parathyroid Gland
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
Blood Vessel		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Mild
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
[Leukemia Mononuclear TGLS = 4-1: Mononuclear Cell Leukemia]			
* Liver		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Marked
[Leukemia Mononuclear TGLS = 8-4+5: Mononuclear Cell Leukemia]			
* Lung		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
[Leukemia Mononuclear TGLS = 9-2+3: Mononuclear Cell Leukemia]			
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-13: Mononuclear Cell Leukemia, Pancreatic]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-6: Mononuclear Cell Leukemia]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-14: Mononuclear Cell Leukemia]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 208

TRT#: 2

DOSE: 0.0%

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 626

HISTO: 9400058

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Hyperplasia	Cystic, Moderate
		Leukemia Mononuclear	
Mesentery	Fat	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-12: Mononuclear Cell Leukemia, Fat]			
* Nose		Inflammation	Suppurative, Mild
* Ovary		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Cyst	Mild
		Leukemia Mononuclear	
[Cyst TGLS = 3-7: Cyst, Pars Distalis, Mild]			
* Salivary Glands		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-6: Mononuclear Cell Leukemia]			
* Spleen		Leukemia Mononuclear	
		Necrosis	Marked
[Leukemia Mononuclear TGLS = 6-11: Mononuclear Cell Leukemia]			
[Necrosis TGLS = 5-11: Necrosis, Marked]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	
* Uterus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-10: Mononuclear Cell Leukemia]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 209

TRT#: 2

SEX: Female

DAY ON TEST: 723

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9400059

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	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Mild
* Liver		Eosinophilic Focus	
		Inflammation	Chronic, Mild
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[Vacuolization Cytoplasmic TGLS = 4-14: Vacuolization,Cytoplasm,Hepatocyte,Moderate]		
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 1,2,3-11+12+13: Fibroadenoma, Multiple]		
* Nose		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 210

TRT#: 2
DOSE: 0.0%

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 541
HISTO: 9400060

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
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Brain		Hydrocephalus	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Mild
		Mixed Cell Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Vacuolization Cytoplasmic TGLS = 1,2-4+11:Vacuolization Cytoplasm,Hepatocyte,Mild]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-7: Adenoma, Pars Distalis]		

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH - Brain Hydrocephalus

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 211

TRT#: 2

SEX: Female

DAY ON TEST: 682

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400061

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* 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
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart	Atrium	Thrombosis	Mild
* Kidney		Leukemia Mononuclear	
		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
	Hepatocyte	Pigmentation	Hemosiderin, Minimal
	[Leukemia Mononuclear TGLS = 4-4+5: Mononuclear Cell Leukemia]	Vacuolization Cytoplasmic	Mild
* Lung		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-2: Mononuclear Cell Leukemia, Mediastinal]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLS = 6-11: Hyperplasia, Cystic, Moderate]		
* Ovary		Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 211	TRT#: 2 DOSE: 0.0%	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 682 HISTO: 9400061
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ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 2-10: Cyst, Moderate]			
* Pituitary Gland	Pars Distalis Pars Distalis	Adenoma Cyst	Moderate
[Adenoma TGLS = 5-7: Adenoma, Pars Distalis]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]			
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 212

TRT#: 2

SEX: Female

DAY ON TEST: 566

DOSE: 0.0%

DISP: Natural Death

HISTO: 9400062

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Colon	* Intestine Small, Ileum	* 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.

* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
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OBSERVATIONS

* Clitoral Gland		Hyperplasia	Mild
* Kidney		Mineralization	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Lung	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Adenoma	
* Pituitary Gland	Pars Distalis	Adenoma	

[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 213

TRT#: 2
DOSE: 0.0%

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 722
HISTO: 9400063

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	Chronic, Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Mild
[Basophilic Focus TGLS = 1-4+5: Basophilic Focus]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Mild
* Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 214

TRT#: 2

SEX: Female

DAY ON TEST: 641

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400064

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	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Inflammation	Chronic, Mild
		Pigmentation	Hemosiderin, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11: Fibroadenoma]			
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 2-11: Necrosis, Fat, Marked]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-7: Adenoma, Pars Distalis]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 215

TRT#: 2

SEX: Female

DAY ON TEST: 724

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9400065

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
* 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	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Adenoma	
		Hyperplasia	Marked
	[Adenoma TGLS = 1-11: Adenoma]		
	[Hyperplasia TGLS = 1-11: Hyperplasia, Marked]		
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Leukemia Mononuclear	
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
	[Leukemia Mononuclear TGLS = 5-4+5: Mononuclear Cell Leukemia]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Hyperplasia	Histiocytic, Moderate
	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
	[Fibroadenoma TGLS = 2-12: Fibroadenoma]		
Mesentery			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 215	TRT#: 2 DOSE: 0.0%	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 724 HISTO: 9400065
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ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL#6-11-NCL: Mesenteric Fat Nodule, Documented At Necropsy, Not Identified At Trim.

* Ovary [Cyst TGLS = 4-10: Cyst, Moderate]		Cyst	Moderate
* Pituitary Gland	Pars Distalis Pars Distalis	Cyst Hyperplasia	Mild Mild
* Spleen [Leukemia Mononuclear TGLS = 3-1: Mononuclear Cell leukemia]		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 216

TRT#: 2

SEX: Female

DAY ON TEST: 664

DOSE: 0.0%

DISP: Natural Death

HISTO: 9400066

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Clitoral Gland	* Esophagus
* 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	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-7: Mononuclear Cell Leukemia]			
* Adrenal Medulla		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-7: Mononuclear Cell Leukemia]			
* Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Moderate
* Brain		Hemorrhage	Minimal
		Leukemia Mononuclear	
[Hemorrhage TGLS = 4-6: Hemorrhage, Minimal]			
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
	Hepatocyte	Necrosis	Mild
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 216	TRT#: 2 DOSE: 0.0%	SEX: Female DISP: Natural Death	DAY ON TEST: 664 HISTO: 9400066
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ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Hyperplasia TGLS = 3-7: Hyperplasia, Pars Distalis, Moderate]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 217

TRT#: 2
DOSE: 0.0%

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 724
HISTO: 9400067

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Esophagus	* 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

* Bone		Osteopetrosis	Marked
* Clitoral Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 1-10: Hyperplasia, Marked]			
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Minimal
		Inflammation	Chronic, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
[Basophilic Focus TGLS = 4-4+5: Basophilic Focus]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
[Fibroadenoma TGLS = 2-11: Fibroadenoma]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-7: Adenoma, Pars Distalis]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Primidone (primaclone)
 CAS Number: 125-33-7

Date Report Requested: 10/19/2014
 Time Report Requested: 08:31:28
 First Dose M/F: NA / NA
 Lab: BAT

ANIMAL ID: 218

TRT#: 2
 DOSE: 0.0%

SEX: Female
 DISP: Natural Death

DAY ON TEST: 703
 HISTO: 9400068

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Necrosis	Moderate
* Heart		Cardiomyopathy	Chronic, Mild
* Liver		Basophilic Focus	
	Hepatocyte	Degeneration	Marked
	Bile Duct	Hyperplasia	Moderate
		Pigmentation	Hemosiderin, Moderate
* Lung	Hepatocyte	Vacuolization Cytoplasmic	Mild
Lymph Node	Artery, Vein	Mineralization	Minimal
	Mediastinal	Necrosis	Moderate
	[Necrosis TGLS = 5-13: Necrosis, Moderate, Mediastinal]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-12: Fibroadenoma]		
Mesentery	Fat	Necrosis	Marked
	[Necrosis TGLS = 4-11: Necrosis, Fat, Marked]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Necrosis	Marked
	[Necrosis TGLS = 2-1: Necrosis, Marked]		
* Uterus		Hydrometra	Moderate
	[Hydrometra TGLS = 3-10: Hydrometra, Moderate]		

PRIMARY CAUSE OF DEATH - Liver Hepatocyte Degeneration
 CONTRIBUTORY CAUSE OF DEATH - Spleen Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 219

TRT#: 2
DOSE: 0.0%

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 668
HISTO: 9400069

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	* 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

* Adrenal Cortex		Degeneration	Fatty, Moderate
* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
	[Basophilic Focus TGLS = 3-4+5: Basophilic Focus]		
* Lung	Alveolar Epith	Hyperplasia	Mild
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Moderate
	[Fibroadenoma TGLS = 1,2-11+12: Fibroadenoma, Multiple]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
	[Hyperplasia TGLS = 4-7: Hyperplasia, Pars Distalis, Marked]		

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma
CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Pars Distalis Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 220

TRT#: 2

SEX: Female

DAY ON TEST: 724

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9400070

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 | * Ovary |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Trachea | * Urinary Bladder |
| * Uterus | | | |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|---|---------------|-----------------------|---------------------|
| * Clitoral Gland | | Adenoma | |
| [Adenoma TGLS = 1-11: Adenoma] | | | |
| * Kidney | | Nephropathy | Chronic, Minimal |
| * Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Inflammation | Chronic, Mild |
| | | Mixed Cell Focus | |
| | Hepatocyte | Necrosis | Mild |
| [Basophilic Focus TGLS = 3-4+5: Basophilic Focus] | | | |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| | Artery, Vein | Mineralization | Minimal |
| * Pancreas | Acinus | Atrophy | Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Distalis | Cyst | Mild |
| [Adenoma TGLS = 2-7: Adenoma, Pars Distalis] | | | |
| * Thyroid Gland | C Cell | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 221

TRT#: 2
DOSE: 0.0%

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 702
HISTO: 9400071

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Leukemia Mononuclear	
	Hepatocyte	Necrosis	Minimal
		Vacuolization Cytoplasmic	Minimal
Note: TGL#6-11-NCL: Nodules, Documented At Trim, Not Apparent Histopathologically.			
* Lung		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
		[Fibroadenoma TGLS = 1,2,4-13+14+15: Fibroadenoma, Multiple]	
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 221

TRT#: 2

SEX: Female

DAY ON TEST: 702

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400071

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 5-1: Mononuclear Cell Leukemia]

Zymbal's Gland

Carcinoma

[Carcinoma TGLS = 3-12: Carcinoma]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Mammary Gland Fibroadenoma;Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 222

TRT#: 2

SEX: Female

DAY ON TEST: 723

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9400072

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	* 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, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Clitoral Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 1-10: Hyperplasia, Marked]			
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
[Nephropathy TGLS = 3-1: Nephropathy, Chronic, Mild]			
* Liver	Bile Duct	Basophilic Focus	Minimal
		Hyperplasia	Chronic, Mild
		Inflammation	Hemosiderin, Minimal
		Pigmentation	Histiocyte, Minimal
* Lung	Alveolus	Infiltration Cellular	Minimal
	Artery, Vein	Mineralization	Cystic, Minimal
* Mammary Gland		Hyperplasia	Chronic Active, Marked
		Inflammation	
[Inflammation TGLS = 2-11: Inflammation, Chronic-Active, Marked]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-7: Adenoma, Pars Distalis]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
	Epithelium	Inflammation	Chronic Active, Marked
	Epithelium	Ulcer	Marked
[Hyperplasia TGLS = 5-5: Hyperplasia, Epithelium, Moderate]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 222

TRT#: 2

SEX: Female

DAY ON TEST: 723

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9400072

ORGAN AND ACCOUNTABLE SITE STATUS

[Ulcer TGLS = 5-5: Ulcer, Epithelium, Marked]

* Uterus

Polyp Stromal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 223

TRT#: 2

SEX: Female

DAY ON TEST: 723

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9400073

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* 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	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Mild
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Mild
		Mixed Cell Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Basophilic Focus TGLS = 3-4+5: Basophilic Focus]		
	[Mixed Cell Focus TGLS = 4-11: Mixed Cell Focus]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Ovary		Cyst	Marked
	[Cyst TGLS = 1-10: Cyst, Marked]		
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
	[Adenoma TGLS = 2-7: Adenoma, C-Cell]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 223

TRT#: 2
DOSE: 0.0%

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 723
HISTO: 9400073

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 224

TRT#: 2

SEX: Female

DAY ON TEST: 722

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9400074

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	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-13: Adenoma]			
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Mild
		Pigmentation	Hemosiderin, Minimal
[Clear Cell Focus TGLS = 4-11: Clear Cell Focus]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Moderate
Note: TGL#1-13: Left Inguinal Mammary Gld Mass, Documented At Necropsy, Is Clitoral Gld Adenoma Histopathologically.			
[Fibroadenoma TGLS = 2,3-11+12: Fibroadenoma]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 225

TRT#: 2

SEX: Female

DAY ON TEST: 668

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400075

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Brain	* Clitoral Gland	* Esophagus
* 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	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone		Osteopetrosis	Mild
* Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Minimal
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
	Hepatocyte	Necrosis	Minimal
	Hepatocyte	Pigmentation	Hemosiderin, Mild
	[Leukemia Mononuclear TGLS = 2-4+5: Mononuclear Cell leukemia]	Vacuolization Cytoplasmic	Marked
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
	[Hyperplasia TGLS = 3-7: Hyperplasia, Pars Distalis, Moderate]		
* Spleen		Leukemia Mononuclear	

Note: TGL#4-1-NCL: Tan Focus, Noted At Trim, Not Apparent Histopathologically,
 [Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell leukemia]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 225

TRT#: 2

SEX: Female

DAY ON TEST: 668

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400075

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 226

TRT#: 2
DOSE: 0.0%

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 724
HISTO: 9400076

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Inflammation	Chronic, Mild
		Mixed Cell Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
	[Basophilic Focus TGLS = 2-4+5: Basophilic Focus]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Note: TGL#3-2+3-NCL: Lung Foci, Documented At Necropsy, Not Apparent Histopathologically.		
* Mammary Gland		Adenoma	
		Hyperplasia	Cystic, Moderate
	[Adenoma TGLS = 1-11: Adenoma]		
	[Hyperplasia TGLS = 1-11: Hyperplasia, Cystic, Moderate]		
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
	[Adenoma TGLS = 4-7: Adenoma, Pars Distalis]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 226

TRT#: 2

SEX: Female

DAY ON TEST: 724

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9400076

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 227

TRT#: 2
DOSE: 0.0%

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 723
HISTO: 9400077

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
	[Hepatodiaphragmatic Nodule TGLS = 2-12: Hepatodiaphragmatic Nodule]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Minimal
	[Fibroadenoma TGLS = 1-11: Fibroadenoma]		
Mesentery	Fat	Necrosis	Marked
	[Necrosis TGLS = 3-11: Necrosis, Fat, Marked]		
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLS = 4-7: Hyperplasia, Pars Distalis, Mild]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 228

TRT#: 2

SEX: Female

DAY ON TEST: 722

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9400078

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Intestine Large, Colon		Leukemia Mononuclear	
* Intestine Small, Jejunum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
	[Hepatodiaphragmatic Nodule TGLS = 2-12: Hepatodiaphragmatic Nodule]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-12: Mononuclear Cell Leukemia]		
* Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery	Fat	Necrosis	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 228

TRT#: 2

SEX: Female

DAY ON TEST: 722

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9400078

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 3-11: Necrosis, Fat, Marked]

* Ovary		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
		Leukemia Mononuclear	

[Hyperplasia TGLS = 4-7: Hyperplasia, Pars Distalis, Moderate]

* Spleen		Leukemia Mononuclear	
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[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]

* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	
* Uterus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:29

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 229

TRT#: 2

SEX: Female

DAY ON TEST: 724

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9400079

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
	[Basophilic Focus TGLS = 3-13: Basophilic Focus]		
	[Clear Cell Focus TGLS = 3-13: Clear Cell Focus]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Mild
	[Fibroadenoma TGLS = 1,2-11+12: Fibroadenoma, Multiple]		
* Nose		Inflammation	Chronic Active, Moderate
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
* Stomach, Glandular		Carcinoid Tumor Benign	
	[Carcinoid Tumor Benign TGLS = 4-14: Carcinoid Tumor, Benign]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 230

TRT#: 2
DOSE: 0.0%

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 646
HISTO: 9400080

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	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
Ear			
Note: Only One Clitoral Gland Available For Histopathological Examination.			
* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
		Pigmentation	Hemosiderin, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Stomach, Glandular		Carcinoid Tumor Malignant	
[Carcinoid Tumor Malignant TGLS = 2-11: Carcinoid Tumor, Malignant]			
* Uterus			
Note: TGL#1-11: Uterine Prolapse, Documented At Necropsy, Is Vaginal Polyp Histopathologically.			
Vagina		Polyp	
[Polyp TGLS = 1-11: Polyp]			

PRIMARY CAUSE OF DEATH

- Vagina Polyp

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 231

TRT#: 2
DOSE: 0.0%

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 626
HISTO: 9400081

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Mild
* Heart		Cardiomyopathy	Chronic, Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Mineralization	Mild
		Nephropathy	Chronic, Mild
	[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell leukemia]		
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Marked
	[Leukemia Mononuclear TGLS = 3-4+5: Mononuclear Cell leukemia]		
* Lung		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Lumbar	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 231

TRT#: 2

SEX: Female

DAY ON TEST: 626

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400081

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 7-11: Mononuclear Cell Leukemia]

[Leukemia Mononuclear TGLS = 6-12: Mononuclear Cell Leukemia]

* Lymph Node, Mandibular

Leukemia Mononuclear

* Lymph Node, Mesenteric

Leukemia Mononuclear

* Pituitary Gland

Angiectasis

Minimal

Leukemia Mononuclear

[Angiectasis TGLS = 5-7: Angiectasis, Minimal]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 1-11: Mononuclear Cell leukemia]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 232

TRT#: 2

SEX: Female

DAY ON TEST: 724

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9400082

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Clitoral Gland		Hyperplasia	Mild
	[Hyperplasia TGLS = 1-10: Hyperplasia, Mild]		
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Mild
	[Basophilic Focus TGLS = 2-4+5: Basophilic Focus]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Perivascular	Infiltration Cellular	Lymphocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Mild
	[Adenoma TGLS = 3-11: Adenoma, Pars Distalis]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 233

TRT#: 2
DOSE: 0.0%

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 724
HISTO: 9400083

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* 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	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Mild
	[Nephropathy TGLS = 2-1: Nephropathy, Chronic, Mild]		
* Liver		Basophilic Focus	
		Inflammation	Chronic, Mild
		Pigmentation	Hemosiderin, Minimal
		Vacuolization Cytoplasmic	Minimal
* Lung	Hepatocyte	Infiltration Cellular	Histiocyte, Minimal
	Alveolus	Inflammation	Chronic Active, Mild
	Artery, Vein	Mineralization	Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Spleen		Accessory Spleen	
	Note: TGL#3-1-NCL: Spleen Considered To Be Within Normal Limits Histopathologically.		
	[Accessory Spleen TGLS = 1-11: Accessory Spleen]		
* Thyroid Gland	Follicular Cel	Carcinoma	
	[Carcinoma TGLS = 5-7: Carcinoma, Follicular Cell]		
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLS = 4-11: Stromal Polyp]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 234

TRT#: 2

SEX: Female

DAY ON TEST: 561

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400084

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Nose
* Parathyroid Gland	* Skin	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Islets, Pancreatic		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Marked
	[Leukemia Mononuclear TGLS = 3-4+5: Mononuclear Cell Leukemia]		
* Lung	Artery, Vein	Leukemia Mononuclear	
		Mineralization	Minimal
		Necrosis	Moderate
	[Leukemia Mononuclear TGLS = 6,8-13+14: Mononuclear Cell Leukemia]		
	[Necrosis TGLS = 8-14: Necrosis, Moderate]		
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Note: TGL#7-12: Enlarged Inguinal Lymph Nodes, Noted At Necropsy, Are Hyperplasia Mammary Glands Histopathologically.		
	[Leukemia Mononuclear TGLS = 5-2: Mononuclear Cell Leukemia, Mediastinal]		
	[Leukemia Mononuclear TGLS = 4-11: Mononuclear Cell Leukemia, Deep Cervical]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6: Mononuclear Cell Leukemia]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 234	TRT#: 2 DOSE: 0.0%	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 561 HISTO: 9400084
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ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland [Hyperplasia TGLS = 7-12: Hyperplasia, Cystic, Moderate]		Hyperplasia	Cystic, Moderate
* Ovary		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis Pars Distalis	Cyst Hyperplasia	Mild Mild
* Salivary Glands		Leukemia Mononuclear	
* Spleen [Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]		Leukemia Mononuclear	
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder		Leukemia Mononuclear	
* Uterus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 235

TRT#: 2

SEX: Female

DAY ON TEST: 536

DOSE: 0.0%

DISP: Natural Death

HISTO: 9400085

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* 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	* Pituitary Gland	* Skin
* Urinary Bladder	* Uterus		

MISSING

Blood Vessel	* Clitoral Gland	* Esophagus	* Heart
* Lung	* Lymph Node, Mandibular	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Brain	Astrocytoma Malignant	
* Kidney	Nephropathy	Chronic, Minimal
* Liver	Basophilic Focus	
* Mammary Gland	Hyperplasia	Cystic, Minimal
* Ovary		

Note: Only one ovary available for histopathologic examination.

PRIMARY CAUSE OF DEATH

- Brain Astrocytoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 236

TRT#: 2

SEX: Female

DAY ON TEST: 702

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400086

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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
* Uterus			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Mild
[Hepatodiaphragmatic Nodule TGLS = 3-5: Hepatodiaphragmatic Nodule]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Carcinoma	
		Hyperplasia	Cystic, Mild
[Carcinoma TGLS = 1-12: Carcinoma]			
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 4-11: Necrosis, Fat, Marked]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Mammary Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 237

TRT#: 2
DOSE: 0.0%

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 367
HISTO: 9400087

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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Inflammation	Chronic Active, Minimal
* Kidney		Mineralization	Minimal
* Liver		Basophilic Focus	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland			
Note: TGL#1-11: Mammary Gld. Mass, Left Lateral Abdominal Region Noted At Necropsy, Is Subcutaneous Fibrous Histiocytoma Histopathologically.			
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Skin	Subcut Tiss	Sarcoma	
[Sarcoma TGLS = 1-11]			
* Spleen		Accessory Spleen	
		Hematopoietic Cell Proliferation	Moderate
[Accessory Spleen TGLS = 2-11: Accessory Spleen]			

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 238

TRT#: 2

SEX: Female

DAY ON TEST: 702

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400088

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	* 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 Cortex		Hyperplasia	Mild
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 2-10: Carcinoma]			
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Mild
[Fibroadenoma TGLS = 3,4-12+13: Fibroadenoma, Multiple]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin		Basal Cell Carcinoma	
[Basal Cell Carcinoma TGLS = 1-11]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

CONTRIBUTORY CAUSE OF DEATH

- Clitoral Gland Carcinoma; Skin Basal Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 239

TRT#: 2

SEX: Female

DAY ON TEST: 723

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9400089

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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
		Pigmentation	Hemosiderin, Minimal
Note: TGL#3-11-NCL: Liver Nodule, Documented At Trim, Not Demonstrated Histopathologically.			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
	[Fibroadenoma TGLS = 1-11: Fibroadenoma]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]		
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 240

TRT#: 2

SEX: Female

DAY ON TEST: 724

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9400090

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Uterus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Clitoral Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 6-10: Hyperplasia, Mild]			
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
[Basophilic Focus TGLS = 3,4,5-11+12+13: Basophilic Focus]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Perivascular	Infiltration Cellular	Lymphocyte, Mild
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Moderate
[Fibroadenoma TGLS = 1,2-11+14: Fibroadenoma, Multiple]			
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 240

TRT#: 2

SEX: Female

DAY ON TEST: 724

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9400090

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:29

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 241

TRT#: 2

DOSE: 0.0%

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 702

HISTO: 9400091

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	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 1-10: Hyperplasia, Marked]			
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Angiectasis	Moderate
		Basophilic Focus	
		Inflammation	Chronic, Minimal
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
[Angiectasis TGLS = 3-4: Angiectasis, Moderate]			
[Basophilic Focus TGLS = 4-5: Basophilic Focus]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Marked
[Fibroadenoma TGLS = 5-11: Fibroadenoma]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-7: Adenoma, Pars Distalis]			
* Uterus		Hemorrhage	Marked
		Inflammation	Chronic Active, Mild
[Hemorrhage TGLS = 2-10: Hemorrhage, Marked]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 241

TRT#: 2
DOSE: 0.0%

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 702
HISTO: 9400091

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH - Mammary Gland Fibroadenoma;Uterus Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 242

TRT#: 2
DOSE: 0.0%

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 724
HISTO: 9400092

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Pituitary Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration Hyperplasia Leukemia Mononuclear	Fatty, Mild Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Leukemia Mononuclear Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia Inflammation Leukemia Mononuclear	Mild Chronic, Minimal
* Lung	Alveolus	Infiltration Cellular Leukemia Mononuclear	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma Hyperplasia	Cystic, Moderate
[Fibroadenoma TGLS = 1-11: Fibroadenoma]			
Mesentery		Accessory Spleen	
[Accessory Spleen TGLS = 3-12: Accessory Spleen]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:29

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 242

TRT#: 2

SEX: Female

DAY ON TEST: 724

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9400092

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas

Acinus

Atrophy

Minimal

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell leukemia]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 243

TRT#: 2
DOSE: 0.0%

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 723
HISTO: 9400093

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* 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			

OBSERVATIONS

* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic, Mild
[Basophilic Focus TGLS = 1-4+5: Basophilic Focus]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 2-7: Hyperplasia, Pars Distalis, Mild]			
* Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 244

TRT#: 2
DOSE: 0.0%

SEX: Female
DISP: Natural Death

DAY ON TEST: 638
HISTO: 9400094

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
		Pigmentation	Hemosiderin, Minimal
[Hepatodiaphragmatic Nodule TGLS = 2-4: Hepatodiaphragmatic Nodule]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:29

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 245

TRT#: 2

SEX: Female

DAY ON TEST: 641

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400095

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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Thymoma Malignant	Metastatic (Thymus)
* Clitoral GI			
Note: The Suspected Clitoral Gld Lesion Was Identified At Trim. Histopathologically, There Was Abundant Hyper- plastic Mammary Gld Tissue Adjacent Which Probably			
Note: Accounts For The Enlargement Noted In The Region Of The Clitoral Glds.			
Note: TGL#7-10-NCL: Clitoral Gland Considered To Be Within Normal Limits Histopathologically. Only One Gland Available For Histopathological Examination.			
* Kidney		Nephropathy	Chronic, Moderate
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
		Thymoma Malignant	Metastatic (Thymus)
[Thymoma Malignant TGLS = 6-12: Malignant Thymoma, Metastatic, Thymus]			
* Mammary Gland		Hyperplasia	Cystic, Moderate
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 3-13: Necrosis, Fat, Marked]			
* Pancreas		Cyst	Mild
* Pituitary Gland	Pars Distalis	Cyst	Marked
[Cyst TGLS = 5-7: Cyst, Pars Distalis, Marked]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thymus		Thymoma Malignant	
[Thymoma Malignant TGLS = 4-11: Malignant Thymoma]			
* Uterus		Polyp Stromal	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 245

TRT#: 2
DOSE: 0.0%

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 641
HISTO: 9400095

ORGAN AND ACCOUNTABLE SITE STATUS

[Polyp Stromal TGLS = 1,2-10: Stromal Polyp, Multiple]

PRIMARY CAUSE OF DEATH - Thymus Thymoma Malignant

CONTRIBUTORY CAUSE OF DEATH - Adrenal Cortex Thymoma Malignant Thymus;Kidney Nephropathy;Lung Thymoma Malignant Thymus;Uterus Polyp Stromal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 246

TRT#: 2

SEX: Female

DAY ON TEST: 723

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9400096

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* 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
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
	[Hepatodiaphragmatic Nodule TGLS = 4-12: Hepatodiaphragmatic Nodule]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLS = 2-7: Hyperplasia, Pars Distalis, Mild]		
* Skin	Epidermis	Hyperplasia	Mild
	[Hyperplasia TGLS = 1-11: Hyperplasia, Epidermis, Mild]		
* Spleen		Leukemia Mononuclear	
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLS = 3-10: Stromal Polyp]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 246

TRT#: 2
DOSE: 0.0%

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 723
HISTO: 9400096

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:29

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 247

TRT#: 2

SEX: Female

DAY ON TEST: 634

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400097

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	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Moderate
Note: TGL#1-11:Mammary Gld Mass, Noted At Necropsy, Is Subcutaneous Fibroma Histopathologically.			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-11: Fibroma, Subcutaneous Tissue]			
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 248

TRT#: 2

SEX: Female

DAY ON TEST: 640

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400098

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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
* Nose	* Ovary	* Pancreas	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
Eye	Lens	Cataract	Mild
	Retina	Degeneration	Moderate
	[Cataract TGLS = 1-13: Cataract, Lens, Mild]		
* Kidney		Nephropathy	Chronic, Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Mild
		Pigmentation	Hemosiderin, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
	[Fibroadenoma TGLS = 3-11: Fibroadenoma]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
	Epithelium	Inflammation	Chronic Active, Marked
	Epithelium	Ulcer	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 248

TRT#: 2

SEX: Female

DAY ON TEST: 640

DOSE: 0.0%

DISP: Moribund Sacrifice

HISTO: 9400098

ORGAN AND ACCOUNTABLE SITE STATUS

[Ulcer TGLS = 4-12: Ulcer, Epithelium, Marked]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Mammary Gland Fibroadenoma;Stomach;Forestomach Epithelium Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 249

TRT#: 2
DOSE: 0.0%

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 723
HISTO: 9400099

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Minimal
		Inflammation	Chronic, Mild
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
[Basophilic Focus TGLS = 1-11: Basophilic Focus]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 250

TRT#: 2

SEX: Female

DAY ON TEST: 724

DOSE: 0.0%

DISP: Terminal Sacrifice

HISTO: 9400100

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* 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
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-4+5: Mononuclear Cell Leukemia]		
* Lung	Alveolar Epith	Hyperplasia	Moderate
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
	[Hyperplasia TGLS = 3-11: Hyperplasia, Alveolar Epithelium, Moderate]		
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 250

TRT#: 2
DOSE: 0.0%

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 724
HISTO: 9400100

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Fibrosis Leukemia Mononuclear	Moderate
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[Fibrosis TGLS = 4-11: Fibrosis, Moderate]
[Leukemia Mononuclear TGLS = 1-1+11: Mononuclear Cell Leukemia]

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 251

TRT#: 4

SEX: Female

DAY ON TEST: 578

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400351

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	* Uterus	

OBSERVATIONS

* Kidney		Mineralization	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
	[Hepatodiaphragmatic Nodule TGLS = 3-4: Hepatodiaphragmatic Nodule]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
	[Fibroadenoma TGLS = 1-11: Fibroadenoma]		
Mesentery	Fat	Necrosis	Marked
	[Necrosis TGLS = 2-12: Necrosis, Fat, Marked]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 252

TRT#: 4

SEX: Female

DAY ON TEST: 724

DOSE: 0.06%

DISP: Terminal Sacrifice

HISTO: 9400352

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Esophagus	* 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	* Uterus	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-10: Adenoma]			
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic, Mild
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
[Hypertrophy TGLS = 3-4+5+12:Hypertrophy,Hepatocyte,Centrilobular,Min]			
[Vacuolization Cytoplasmic TGLS = 3-4+5+12:Vacuolization,Cytoplasm,Hepatocyte,Mild]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
[Fibroadenoma TGLS = 2-11: Fibroadenoma]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:29

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 253

TRT#: 4

SEX: Female

DAY ON TEST: 578

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400353

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* 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
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Mineralization	Minimal
* Liver	Centrilobular, Hepatocyte	Basophilic Focus	
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic, Moderate
		Vacuolization Cytoplasmic	Mild
	[Basophilic Focus TGLS = 4-11: Basophilic Focus]		
	[Hypertrophy TGLS = 4-11: Hypertrophy, Hepatocyte, Centrilobular, Minimal]		
	[Inflammation TGLS = 4-11: Inflammation, Chronic, Moderate]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
	[Fibroadenoma TGLS = 1-12: Fibroadenoma]		
Mesentery	Fat	Inflammation	Chronic Active, Moderate
	[Inflammation TGLS = 2-11: Inflammation, Fat, Chronic-Active, Moderate]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-7: Adenoma, Pars Distalis]		

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 253

TRT#: 4

SEX: Female

DAY ON TEST: 578

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400353

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 254

TRT#: 4

SEX: Female

DAY ON TEST: 723

DOSE: 0.06%

DISP: Terminal Sacrifice

HISTO: 9400354

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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

* Adrenal Cortex		Adenoma	
		Degeneration	Fatty, Mild
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Moderate
	[Fibroadenoma TGLS = 1-11: Fibroadenoma]		
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Mild
	[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 255

TRT#: 4

SEX: Female

DAY ON TEST: 723

DOSE: 0.06%

DISP: Terminal Sacrifice

HISTO: 9400355

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, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Inflammation	Chronic Active, Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Liver	Centrilobular, Hepatocyte	Basophilic Focus	
		Hypertrophy	Minimal
		Inflammation	Chronic, Moderate
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[Hypertrophy TGLS = 2,3,4-4+11+12+13:Hypertrop,Hepatocy,Centrilob,Min]		
	[Vacuolization Cytoplasmic TGLS = 2,3,4-4+11+12+13:Vacuoliz Cyto,Hepatocyte,Moderate]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Perivascular	Infiltration Cellular	Lymphocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLS = 5-7: Hyperplasia, Pars Distalis, Mild]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Angiectasis	Mild
	[Angiectasis TGLS = 1-13: Angiectasis, Mild]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 255

TRT#: 4

SEX: Female

DAY ON TEST: 723

DOSE: 0.06%

DISP: Terminal Sacrifice

HISTO: 9400355

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 256

TRT#: 4

SEX: Female

DAY ON TEST: 723

DOSE: 0.06%

DISP: Terminal Sacrifice

HISTO: 9400356

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Mild
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic, Moderate
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[Hepatodiaphragmatic Nodule TGLS = 2-11: Hepatodiaphragmatic Nodule]		
	[Hypertrophy TGLS = 3-4+5+11: Hypertrophy, Hepatocyte, Centrilobular, Min]		
	[Vacuolization Cytoplasmic TGLS = 3-4+5+11: Vacuoliz Cytoplasm, Hepatocyte, Moderate]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Mammary Gland	Artery, Vein	Mineralization	Minimal
		Fibroadenoma	
		Hyperplasia	Cystic, Moderate
	[Fibroadenoma TGLS = 1-12: Fibroadenoma]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 256

TRT#: 4
DOSE: 0.06%

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 723
HISTO: 9400356

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Pars Distalis
Pars Distalis

Cyst
Hyperplasia
Leukemia Mononuclear

Mild
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 257

TRT#: 4

SEX: Female

DAY ON TEST: 419

DOSE: 0.06%

DISP: Natural Death

HISTO: 9400357

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* 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	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Brain		Hemorrhage	Mild
		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Mineralization	Minimal
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]		
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 258

TRT#: 4

SEX: Female

DAY ON TEST: 722

DOSE: 0.06%

DISP: Terminal Sacrifice

HISTO: 9400358

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* 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

* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic, Moderate
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Moderate
	[Fibroadenoma TGLS = 1-11: Fibroadenoma]		
Mesentery	Fat	Necrosis	Marked
	[Necrosis TGLS = 2-11: Necrosis, Fat, Marked]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-7: Adenoma, Pars Distalis]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:29

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 259

TRT#: 4

SEX: Female

DAY ON TEST: 722

DOSE: 0.06%

DISP: Terminal Sacrifice

HISTO: 9400359

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	* 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
Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Clitoral Gland		Hyperplasia	Mild
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic, Moderate
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[Hypertrophy TGLS = 2,3-4+5+11: Hypertrophy, Hepatocyte, Centrilob, Min]		
	[Vacuolization Cytoplasmic TGLS = 2,3-4+5+11: Vacuoliz Cytoplasm, Hepatocyte, Moderate]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
	[Fibroadenoma TGLS = 1-12: Fibroadenoma]		
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLS = 4-7: Hyperplasia, Pars Distalis, Mild]		
* Thymus		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 259	TRT#: 4	SEX: Female	DAY ON TEST: 722
	DOSE: 0.06%	DISP: Terminal Sacrifice	HISTO: 9400359

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 260

TRT#: 4

SEX: Female

DAY ON TEST: 724

DOSE: 0.06%

DISP: Terminal Sacrifice

HISTO: 9400360

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* 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	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone		Osteopetrosis	Marked
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic, Mild
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Hypertrophy TGLS = 2,3-11+12:Hypertrophy,Hepatocyte,Centrilob,Min]		
	[Vacuolization Cytoplasmic TGLS = 2,3-11+12:Vacuolization Cytoplasm,Hepatocyte,Mild]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Moderate
	[Fibroadenoma TGLS = 1-11+12: Fibroadenoma]		
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Marked
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 260

TRT#: 4

SEX: Female

DAY ON TEST: 724

DOSE: 0.06%

DISP: Terminal Sacrifice

HISTO: 9400360

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 261

TRT#: 4

SEX: Female

DAY ON TEST: 618

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400361

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* 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, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic, Mild
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
	[Hypertrophy TGLS = 2-11:Hypertrophy,Hepatocyte,Centrilobular,Minimal]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 262

TRT#: 4

SEX: Female

DAY ON TEST: 415

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400362

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	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic Active, Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Inflammation	Chronic, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Stomach, Glandular	Epithelium	Erosion	Mild
	[Erosion TGLS = 2-12: Erosion, Epithelium, Mild]		
* Uterus		Edema	Marked
	[Edema TGLS = 1-10: Edema, Marked]	Sarcoma Stromal	
	[Sarcoma Stromal TGLS = 1-11: Stromal Sarcoma]		

PRIMARY CAUSE OF DEATH

- Uterus Sarcoma Stromal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:29

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 263

TRT#: 4

SEX: Female

DAY ON TEST: 724

DOSE: 0.06%

DISP: Terminal Sacrifice

HISTO: 9400363

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* 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	* Uterus		

OBSERVATIONS

* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic, Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[Hepatodiaphragmatic Nodule TGLS = 3-11: Hepatodiaphragmatic Nodule]		
	[Hypertrophy TGLS = 4-12:Hypertrophy,Hepatocyte,Centrilobular,Minimal]		
	[Vacuolization Cytoplasmic TGLS = 4-12:Vacuolization Cytoplasm,Hepatocyte,Moderate]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic Active, Mild
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
	[Fibroadenoma TGLS = 1-13: Fibroadenoma]		
Mesentery	Fat	Necrosis	Marked
	[Necrosis TGLS = 2-11: Necrosis, Fat, Marked]		
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 263

TRT#: 4
DOSE: 0.06%

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 724
HISTO: 9400363

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 264

TRT#: 4

SEX: Female

DAY ON TEST: 410

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400364

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* 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

* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	

[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:29

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 265

TRT#: 4

SEX: Female

DAY ON TEST: 724

DOSE: 0.06%

DISP: Terminal Sacrifice

HISTO: 9400365

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* 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

* Bone Marrow		Hyperplasia	Histiocytic, Moderate
Note: Resembles Myelostromal Proliferation As Described In "Pathology Of The Fischer Rat".			
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic, Mild
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11: Fibroadenoma]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 2-7: Hyperplasia, Pars Distalis, Moderate]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:29

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 266

TRT#: 4

SEX: Female

DAY ON TEST: 723

DOSE: 0.06%

DISP: Terminal Sacrifice

HISTO: 9400366

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
	[Fibroadenoma TGLS = 1-11: Fibroadenoma]		
* Ovary		Cyst	Mild
	[Cyst TGLS = 2-10: Cyst, Mild]		
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:29

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 267

TRT#: 4

SEX: Female

DAY ON TEST: 723

DOSE: 0.06%

DISP: Terminal Sacrifice

HISTO: 9400367

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Uterus		

MISSING

* Nose

OBSERVATIONS

* Adrenal Cortex		Degeneration Hyperplasia Inflammation Leukemia Mononuclear	Fatty, Minimal Mild Granulomatous, Minimal
* Adrenal Medulla		Leukemia Mononuclear	
* Clitoral Gland		Cyst Inflammation	Marked Chronic Active, Moderate
	[Cyst TGLS = 2-10: Cyst, Marked]		
	[Inflammation TGLS = 2-10: Inflammation,Chronic-Active, Moderate]		
* Heart		Leukemia Mononuclear	
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Leukemia Mononuclear Nephropathy	Chronic, Mild
* Liver		Basophilic Focus Clear Cell Focus	
	Centrilobular, Hepatocyte	Hypertrophy Inflammation Leukemia Mononuclear	Minimal Chronic, Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[Clear Cell Focus TGLS = 4-11: Clear Cell Focus]		
	[Hypertrophy TGLS = 3-4+5+11:Hypertrophy,Hepatocyte,Centrilobular,Min]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 267	TRT#: 4	SEX: Female	DAY ON TEST: 723
	DOSE: 0.06%	DISP: Terminal Sacrifice	HISTO: 9400367

ORGAN AND ACCOUNTABLE SITE STATUS

[Vacuolization Cytoplasmic TGLS = 3-4+5+11: Vacuoliz Cytoplasm, Hepatocyte, Moderate]

* Lung	Alveolus	Infiltration Cellular Leukemia Mononuclear	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma Hyperplasia	Cystic, Moderate

[Fibroadenoma TGLS = 1-11: Fibroadenoma]

* Ovary		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma Leukemia Mononuclear	

[Adenoma TGLS = 5-7: Adenoma, Pars Distalis]

* Spleen		Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 268

TRT#: 4

SEX: Female

DAY ON TEST: 702

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400368

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Basophilic Focus TGLS = 4-11: Basophilic Focus]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Mild
	[Fibroadenoma TGLS = 1,2-12+13: Fibroadenoma, Multiple]		
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
	[Adenoma TGLS = 3-7: Adenoma, Pars Distalis, Multiple]		

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:29

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 269

TRT#: 4

SEX: Female

DAY ON TEST: 426

DOSE: 0.06%

DISP: Natural Death

HISTO: 9400369

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Clitoral Gland	* Esophagus
* 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
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Leukemia Mononuclear	
* Adrenal Medulla	Leukemia Mononuclear	
* Bone Marrow	Leukemia Mononuclear	
* Brain	Hemorrhage	Mild
	Leukemia Mononuclear	
* Heart	Cardiomyopathy	Chronic, Mild
	Leukemia Mononuclear	
* Kidney	Leukemia Mononuclear	
	Mineralization	Mild
* Liver	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4+5: Mononuclear Cell leukemia]		
* Lung	Leukemia Mononuclear	
* Mammary Gland	Hyperplasia	Cystic, Minimal
* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-11: Mononuclear Cell leukemia]		

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 270

TRT#: 4

SEX: Female

DAY ON TEST: 723

DOSE: 0.06%

DISP: Terminal Sacrifice

HISTO: 9400370

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* 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	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Thymus

OBSERVATIONS

* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Inflammation	Chronic, Moderate
		Vacuolization Cytoplasmic	Moderate
	[Hepatodiaphragmatic Nodule TGLS = 2-11: Hepatodiaphragmatic Nodule]		
	[Hypertrophy TGLS = 3-4+5+11+12: Hypertrophy, Hepatocyte, Centrilob, Min]		
	[Vacuolization Cytoplasmic TGLS = 3-4+5+11+12: Vacuoliz Cyto, Hepatocyte, Moderate]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLS = 1-7: Hyperplasia, Pars Distalis, Mild]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 271

TRT#: 4

SEX: Female

DAY ON TEST: 723

DOSE: 0.06%

DISP: Terminal Sacrifice

HISTO: 9400371

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	* 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

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Clitoral Gland		Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Hepatodiaphragmatic Nodule TGLS = 2,3-11+12: Hepatodiaphragmatic Nodule]		
	[Hypertrophy TGLS = 1-4+5: Hypertrophy, Hepatocyte, Centrilobular, Minimal]		
	[Vacuolization Cytoplasmic TGLS = 1-4+5: Vacuolization Cytoplasm, Hepatocyte, Mild]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Marked
	Pars Distalis	Hyperplasia	Mild
	[Cyst TGLS = 4-7: Cyst, Pars Distalis, Marked]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 272

TRT#: 4

SEX: Female

DAY ON TEST: 723

DOSE: 0.06%

DISP: Terminal Sacrifice

HISTO: 9400372

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* 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	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic, Mild
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Hepatodiaphragmatic Nodule TGLS = 3-11: Hepatodiaphragmatic Nodule]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Ovary		Granulosa-Theca Tumor Malignant	
	[Granulosa-Theca Tumor Malignant TGLS = 2-10: Granulosa-Theca Tumor, Malignant]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 273

TRT#: 4

SEX: Female

DAY ON TEST: 724

DOSE: 0.06%

DISP: Terminal Sacrifice

HISTO: 9400373

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Hypertrophy TGLS = 3,4-11+12: Hypertrophy, Hepatocyte, Centrilob, Minimal]		
	[Vacuolization Cytoplasmic TGLS = 3,4-11+12: Vacuolization Cytoplasm, Hepatocyte, Mild]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Mild
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Minimal
	[Fibroadenoma TGLS = 1-11: Fibroadenoma]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 273

TRT#: 4

SEX: Female

DAY ON TEST: 724

DOSE: 0.06%

DISP: Terminal Sacrifice

HISTO: 9400373

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 274

TRT#: 4

SEX: Female

DAY ON TEST: 682

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400374

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
* Liver	Hepatocyte	Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[Leukemia Mononuclear TGLS = 2-4+5: Mononuclear Cell Leukemia]		
* Lung		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
	[Leukemia Mononuclear TGLS = 6-2+3: Mononuclear Cell Leukemia]		
Lymph Node	Iliac	Leukemia Mononuclear	
	Inguinal	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-13: Mononuclear Cell Leukemia, Iliac]		
	[Leukemia Mononuclear TGLS = 4-12: Mononuclear Cell Leukemia, Lumbar]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:29

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 274

TRT#: 4

SEX: Female

DAY ON TEST: 682

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400374

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3-14: Mononuclear Cell Leukemia, Renal]

[Leukemia Mononuclear TGLS = 9-11: Mononuclear Cell Leukemia, Mediastinal]

* Lymph Node, Mandibular

Leukemia Mononuclear

* Lymph Node, Mesenteric

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 8-4: Mononuclear Cell Leukemia]

* Mammary Gland

Hyperplasia

Cystic, Moderate

* Pancreas

Leukemia Mononuclear

* Pituitary Gland

Pars Distalis

Hyperplasia

Mild

Leukemia Mononuclear

* Spleen

Fibrosis

Mild

Leukemia Mononuclear

[Fibrosis TGLS = 10-11: Fibrosis, Mild]

[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]

* Stomach, Forestomach

Leukemia Mononuclear

* Thymus

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 7-11: Mononuclear Cell Leukemia]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 275

TRT#: 4

SEX: Female

DAY ON TEST: 466

DOSE: 0.06%

DISP: Natural Death

HISTO: 9400375

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
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone		Osteopetrosis	Moderate
* Bone Marrow		Atrophy	Marked
* Clitoral Gland		Inflammation	Chronic Active, Minimal
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Mineralization	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-4+5: Mononuclear Cell Leukemia]	Vacuolization Cytoplasmic	Moderate
* Lung		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery	Fat	Leukemia Mononuclear	
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
		Necrosis	Marked
	[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]		
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 275

TRT#: 4
DOSE: 0.06%

SEX: Female
DISP: Natural Death

DAY ON TEST: 466
HISTO: 9400375

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH

- Liver Leukemia Mononuclear;Lung Leukemia Mononuclear;Lymph Node Mediastinal Leukemia Mononuclear;Lymph Node;Mandibular Leukemia
Mononuclear;Lymph Node;Mesenteric Leukemia Mononuclear;Mesentery Fat Leukemia Mononuclear;Spleen Necrosis;Thymus Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:29

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 276

TRT#: 4

DOSE: 0.06%

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 724

HISTO: 9400376

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Parathyroid Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Histiocytic, Marked
Note: Resembles Myelostromal Proliferation As Described In "Pathology Of The Fischer Rat".			
* Clitoral Gland		Inflammation	Chronic Active, Minimal
Eye	Lens	Cataract	Marked
	Retina	Degeneration	Marked
[Cataract TGLS = 2-11: Cataract, Lens, Marked]			
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic, Moderate
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
[Hepatodiaphragmatic Nodule TGLS = 5-4: Hepatodiaphragmatic Nodule]			
[Hypertrophy TGLS = 4-4+5+12:Hypertrophy,Hepatocyte,Centrilobular,Min]			
[Vacuolization Cytoplasmic TGLS = 4-4+5+12:Vacuoliz Cytoplasm,Hepatocyte,Moderate]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 276

TRT#: 4

SEX: Female

DAY ON TEST: 724

DOSE: 0.06%

DISP: Terminal Sacrifice

HISTO: 9400376

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Ovary		Cyst	Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-7: Adenoma, Pars Distalis]		
* Salivary Glands	Parotid GI	Atrophy	Mild
	Parotid GI	Inflammation	Chronic Active, Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 277

TRT#: 4

SEX: Female

DAY ON TEST: 724

DOSE: 0.06%

DISP: Terminal Sacrifice

HISTO: 9400377

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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Cyst	Moderate
		Inflammation	Chronic Active, Mild
	[Cyst TGLS = 2-10: Cyst, Moderate]		
* Kidney		Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 6-1: Nephropathy, Chronic, Moderate]		
* Liver		Basophilic Focus	
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Hypertrophy TGLS = 7-4+5: Hypertrophy, Hepatocyte, Centrilobular, Minimal]		
	[Vacuolization Cytoplasmic TGLS = 7-4+5: Vacuolization Cytoplasm, Hepatocyte, Mild]		
* Lung		Hyperplasia	Mild
	Alveolar Epith	Infiltration Cellular	Histiocyte, Mild
	Alveolus	Mineralization	Minimal
	Artery, Vein	Fibroadenoma	Multiple
* Mammary Gland		Hyperplasia	Cystic, Moderate
	[Fibroadenoma TGLS = 1,3-11+12: Fibroadenoma, Multiple]		
* Pancreas		Atrophy	Mild
* Pituitary Gland		Adenoma	
	Pars Distalis	Cyst	Moderate
	Pars Distalis		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 277	TRT#: 4	SEX: Female	DAY ON TEST: 724
	DOSE: 0.06%	DISP: Terminal Sacrifice	HISTO: 9400377

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 8-7: Adenoma, Pars Distalis]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 5-1: Hematopoietic Cell Proliferation, Moderate]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Uterus		Sarcoma Stromal	
[Sarcoma Stromal TGLS = 4-13: Stromal Sarcoma]			

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 278

TRT#: 4

SEX: Female

DAY ON TEST: 723

DOSE: 0.06%

DISP: Terminal Sacrifice

HISTO: 9400378

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* 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	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Thymus

OBSERVATIONS

* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic, Mild
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Hypertrophy TGLS = 2-4+5:Hypertrophy,Hepatocyte,Centrilobular,Min]		
	[Vacuolization Cytoplasmic TGLS = 2-4+5:Vacuolization Cytoplasm,Hepatocyte,Mild]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
	[Hyperplasia TGLS = 1-7: Hyperplasia, Pars Distalis, Moderate]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 279

TRT#: 4

SEX: Female

DAY ON TEST: 675

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400379

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Hyperplasia	Marked
	[Hyperplasia TGLS = 2-12: Hyperplasia, Marked]		
* Heart		Cardiomyopathy	Chronic, Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
	Note: TGL#1-11: Mammary Gland Mass, Noted At Necropsy, Is Subcutaneous Fibrosarcoma Histopathologically.		
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Intermed	Cyst	Mild
* Skin	Subcut Tiss	Fibrosarcoma	
	[Fibrosarcoma TGLS = 1-11: Fibrosarcoma, Subcutaneous Tissue]		
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibrosarcoma

CONTRIBUTORY CAUSE OF DEATH - Clitoral Gland Hyperplasia

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 280

TRT#: 4

SEX: Female

DAY ON TEST: 675

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400380

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Marked
* Kidney		Nephropathy	Chronic, Minimal
* Liver	Centrilobular, Hepatocyte	Degeneration	Moderate
	Bile Duct	Hematopoietic Cell Proliferation	Minimal
	Centrilobular, Hepatocyte	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Inflammation	Chronic, Minimal
	[Vacuolization Cytoplasmic TGLS = 3-4+5:Vacuoliz Cytoplasm,Hepatocyte, Moderate]	Necrosis	Mild
		Vacuolization Cytoplasmic	Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[Hematopoietic Cell Proliferation TGLS = 1-1: Hematopoietic Cell Proliferation, Moderate]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Inflammation	Chronic Active, Minimal
* Uterus		Hemorrhage	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 280

TRT#: 4

SEX: Female

DAY ON TEST: 675

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400380

ORGAN AND ACCOUNTABLE SITE STATUS

[Hemorrhage TGLS = 2-10+11: Hemorrhage, Marked]

PRIMARY CAUSE OF DEATH

- Uterus Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 281

TRT#: 4

SEX: Female

DAY ON TEST: 724

DOSE: 0.06%

DISP: Terminal Sacrifice

HISTO: 9400381

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	Chronic, Mild
* Liver		Basophilic Focus	
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Inflammation	Chronic, Mild
	[Hypertrophy TGLS = 2-4+5:Hypertrophy,Hepatocyte,Centrilobular,Minimal]	Vacuolization Cytoplasmic	Mild
	[Vacuolization Cytoplasmic TGLS = 2-4+5:Vacuolization Cytoplasm,Hepatocyte,Mild]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-11: Fibroadenoma]	Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-7: Adenoma, Pars Distalis]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 282

TRT#: 4

SEX: Female

DAY ON TEST: 724

DOSE: 0.06%

DISP: Terminal Sacrifice

HISTO: 9400382

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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Bone		Osteopetrosis	Marked
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Hypertrophy TGLS = 3-4+5:Hypertrophy,Hepatocyte,Centrilobular,Minimal]		
	[Vacuolization Cytoplasmic TGLS = 3-4+5:Vacuolization Cytoplasm,Hepatocyte,Mild]		
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Carcinoma	
		Fibroadenoma	
	[Carcinoma TGLS = 2-12]		
	[Fibroadenoma TGLS = 1-11: Fibroadenoma]		
* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland			
	Note: Ectopic Parathyroid Gld Attached To Thymus On Slide 02.		
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 282	TRT#: 4 DOSE: 0.06%	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 724 HISTO: 9400382
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ORGAN AND ACCOUNTABLE SITE STATUS

	Pars Distalis	Hyperplasia	Mild
[Adenoma TGLS = 4-7: Adenoma, Pars Distalis]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:29

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 283

TRT#: 4

SEX: Female

DAY ON TEST: 723

DOSE: 0.06%

DISP: Terminal Sacrifice

HISTO: 9400383

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, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
	[Basophilic Focus TGLS = 4-4+5+14: Basophilic Focus]		
	[Hepatodiaphragmatic Nodule TGLS = 3-13: Hepatodiaphragmatic Nodule]		
	[Hypertrophy TGLS = 4-14:Hypertrophy,Hepatocyte,Centrilobular,Min]		
	[Inflammation TGLS = 4-4+5+14:Inflammation, Chronic, Mild]		
	[Vacuolization Cytoplasmic TGLS = 4-14:Vacuolization Cytoplasm,Hepatocyte, Minimal]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild

Note: TGL#1-11: Mammary Gld Mass, Documented At Necropsy, Is Subcutaneous Fibroma Histopathologically.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 283

TRT#: 4

SEX: Female

DAY ON TEST: 723

DOSE: 0.06%

DISP: Terminal Sacrifice

HISTO: 9400383

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 2-12: Fibroadenoma]

* Pituitary Gland

Pars Distalis

Cyst

Mild

* Skin

Subcut Tiss

Fibroma

[Fibroma TGLS = 1-11: Fibroma, Subcutaneous Tissue]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 284

TRT#: 4

SEX: Female

DAY ON TEST: 456

DOSE: 0.06%

DISP: Natural Death

HISTO: 9400384

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Nose	* Skin		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
Blood Vessel		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage	Mild
		Leukemia Mononuclear	
* Clitoral Gland		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Islets, Pancreatic		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-4+5: Mononuclear Cell leukemia]			
* Lung		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
		Leukemia Mononuclear	
Mesentery	Fat	Leukemia Mononuclear	
* Ovary		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2,5-4: Mononuclear Cell Leukemia]			
* Parathyroid Gland		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 284

TRT#: 4

SEX: Female

DAY ON TEST: 456

DOSE: 0.06%

DISP: Natural Death

HISTO: 9400384

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Cyst TGLS = 6-7: Cyst, Pars Distalis, Moderate]			
[Hyperplasia TGLS = 6-7: Hyperplasia, Pars Distalis, Moderate]			
* Salivary Glands		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell leukemia]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-2: Mononuclear Cell leukemia]			
* Thyroid Gland		Leukemia Mononuclear	
* Trachea		Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	
* Uterus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 285

TRT#: 4

SEX: Female

DAY ON TEST: 605

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400385

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* 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	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Basophilic Focus	
	Hepatocyte	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-4+5: Mononuclear Cell Leukemia]	Vacuolization Cytoplasmic	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Ovary		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]		

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:29

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 286

TRT#: 4

SEX: Female

DAY ON TEST: 724

DOSE: 0.06%

DISP: Terminal Sacrifice

HISTO: 9400386

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	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Mild
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Hepatodiaphragmatic Nodule TGLS = 3-5: Hepatodiaphragmatic Nodule]		
	[Hypertrophy TGLS = 4-11:Hypertrophy,Hepatocyte,Centrilobular,Minimal]		
	[Vacuolization Cytoplasmic TGLS = 4-11:Vacuolization Cytoplasm,Hepatocyte,Mild]		
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Minimal
	[Fibroadenoma TGLS = 1,2-12+13: Fibroadenoma, Multiple]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 287

TRT#: 4

SEX: Female

DAY ON TEST: 618

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400387

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	* 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

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
Note: TGL#2-11: Only One Hepatic Deformity (HDN) Was Identified At Trim. [Hepatodiaphragmatic Nodule TGLS = 2-11: Hepatodiaphragmatic Nodule]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Marked
[Fibroadenoma TGLS = 1-11: Fibroadenoma]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-7: Adenoma, Pars Distalis]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:29

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 288

TRT#: 4

SEX: Female

DAY ON TEST: 511

DOSE: 0.06%

DISP: Natural Death

HISTO: 9400388

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 | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--|---------------|----------------------------|----------------------|
| * Bone Marrow | | Hyperplasia | Moderate |
| * Kidney | | Nephropathy | Chronic, Minimal |
| * Liver | | Clear Cell Focus | |
| | | Hepatodiaphragmatic Nodule | |
| | Hepatocyte | Vacuolization Cytoplasmic | Moderate |
| [Hepatodiaphragmatic Nodule TGLS = 2-12: Hepatodiaphragmatic Nodule] | | | |
| * Lung | Artery, Vein | Mineralization | Minimal |
| * Mammary Gland | | Hyperplasia | Cystic, Minimal |
| * Pituitary Gland | Pars Distalis | Cyst | Minimal |
| * Stomach, Forestomach | Epithelium | Inflammation | Chronic Active, Mild |
| | Epithelium | Ulcer | Marked |
| [Ulcer TGLS = 3-13: Ulcer, Epithelium, Marked] | | | |
| * Uterus | | Sarcoma Stromal | |
| [Sarcoma Stromal TGLS = 1-11: Stromal Sarcoma] | | | |

PRIMARY CAUSE OF DEATH

- Uterus Sarcoma Stromal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 289

TRT#: 4

SEX: Female

DAY ON TEST: 584

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400389

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* 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	* Uterus		

OBSERVATIONS

* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Hepatocellular Adenoma	
		Inflammation	Chronic, Minimal
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
	[Hepatocellular Adenoma TGLS = 4-11: Hepatocellular Adenoma]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Mild
	[Fibroadenoma TGLS = 1,2-11+12: Fibroadenoma, Multiple]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
	[Hyperplasia TGLS = 3-7: Hyperplasia, Pars Distalis, Moderate]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Primidone (primaclone)
 CAS Number: 125-33-7

Date Report Requested: 10/19/2014
 Time Report Requested: 08:31:29
 First Dose M/F: NA / NA
 Lab: BAT

ANIMAL ID: 290

TRT#: 4

SEX: Female

DAY ON TEST: 675

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400390

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* 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	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Inflammation	Chronic, Mild
	[Hypertrophy TGLS = 4,5,6-4+5+11:Hypertrophy,Hepatocyte,Centilob,Min]	Vacuolization Cytoplasmic	Moderate
	[Vacuolization Cytoplasmic TGLS = 4,5,6-4+5+11:Vacuoliz Cyto,Hepatocyte, Moderate]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Moderate
	Note: TGL#1-12: Mammary Gland Mass, Noted At Necropsy, Is Subcutaneous Liposarcoma Histopathologically.		
	[Fibroadenoma TGLS = 2-13: Fibroadenoma]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 7-7: Adenoma, Pars Distalis]		
* Skin	Subcut Tiss	Liposarcoma	
	[Liposarcoma TGLS = 1-12: Liposarcoma, Subcutaneous Tissue]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLS = 3-10: Stromal Polyp]		

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Liposarcoma
 CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 291

TRT#: 4

SEX: Female

DAY ON TEST: 724

DOSE: 0.06%

DISP: Terminal Sacrifice

HISTO: 9400391

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Brain
* Clitoral Gland	* Esophagus	* 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	* Uterus

OBSERVATIONS

* Bone		Osteopetrosis	Mild
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Inflammation	Chronic, Mild
	[Hypertrophy TGLS = 3-4+5:Hypertrophy,Hepatocyte,Centrilobular,Minimal]	Vacuolization Cytoplasmic	Mild
	[Vacuolization Cytoplasmic TGLS = 3-4+5:Vacuolization Cytoplasm,Hepatocyte.Mild]		
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-11: Fibroadenoma]	Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 292

TRT#: 4

SEX: Female

DAY ON TEST: 722

DOSE: 0.06%

DISP: Terminal Sacrifice

HISTO: 9400392

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Degeneration	Fatty, Mild
[Adenoma TGLS = 2-7: Adenoma]			
* Bone		Osteopetrosis	Mild
* Bone Marrow		Hyperplasia	Mild
		Hyperplasia	Histiocytic, Mild
* Clitoral Gland		Inflammation	Chronic Active, Moderate
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic, Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Mild
[Hypertrophy TGLS = 4-4:Hypertrophy,Hepatocyte,Centrilobular,Minimal]			
[Vacuolization Cytoplasmic TGLS = 4-4:Vacuolization,Cytoplasm,Hepatocyte,Mild]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
[Fibroadenoma TGLS = 1-11: Fibroadenoma]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 292	TRT#: 4 DOSE: 0.06%	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 722 HISTO: 9400392
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Cyst	Minimal
	Pars Distalis	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-10: Stromal Polyp]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 293

TRT#: 4

SEX: Female

DAY ON TEST: 724

DOSE: 0.06%

DISP: Terminal Sacrifice

HISTO: 9400393

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* 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
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic, Mild
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Clear Cell Focus TGLS = 1-11: Clear Cell Focus]		
	[Hypertrophy TGLS = 2-4+5:Hypertrophy,Hepatocyte,Centrilobular,Minimal]		
	[Vacuolization Cytoplasmic TGLS = 2-4+5:Vacuolization Cytoplasm,Hepatocyte,Mild]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 294

TRT#: 4

SEX: Female

DAY ON TEST: 723

DOSE: 0.06%

DISP: Terminal Sacrifice

HISTO: 9400394

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	Chronic, Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
	Hepatocyte	Inflammation	Chronic, Mild
	[Hepatodiaphragmatic Nodule TGLS = 3-11: Hepatodiaphragmatic Nodule]	Vacuolization Cytoplasmic	Mild
	[Hypertrophy TGLS = 2,5-4+5+12:Hypertrophy,Hepatocyte,Centrilob,Min]		
	[Vacuolization Cytoplasmic TGLS = 2,5-4+5+12:Vacuolization,Cytoplasm,Hepatocyte,Mild]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Moderate
Mesentery	Fat	Necrosis	Marked
	[Necrosis TGLS = 1-11: Necrosis, Fat, Marked]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 4-7: Adenoma, Pars Distalis]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 295

TRT#: 4

SEX: Female

DAY ON TEST: 612

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400395

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	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Moderate
* Kidney		Leukemia Mononuclear	
		Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-4+5: Mononuclear Cell Leukemia]	Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Marked
Mesentery	Fat	Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
	[Adenoma TGLS = 3-7: Adenoma, Pars Distalis]		
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 295

TRT#: 4

SEX: Female

DAY ON TEST: 612

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400395

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]

* Stomach, Glandular

Leukemia Mononuclear

* Thyroid Gland

C Cell

Adenoma

* Uterus

Polyp Stromal

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 296

TRT#: 4

SEX: Female

DAY ON TEST: 702

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400396

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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gl			
Note: TGL#1-11: Clitoral Gld Mass, Documented At Necropsy, Is Mammary Gld Fibroadenoma Histopathologically.			
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
[Fibroadenoma TGLS = 1-11: Fibroadenoma]			
* Nose		Inflammation	Suppurative, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 296

TRT#: 4

SEX: Female

DAY ON TEST: 702

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400396

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 297

TRT#: 4

SEX: Female

DAY ON TEST: 723

DOSE: 0.06%

DISP: Terminal Sacrifice

HISTO: 9400397

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
* Pancreas	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Cyst	Moderate
		Nephropathy	Chronic, Minimal
[Cyst TGLS = 1-11: Cyst, Moderate]			
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Minimal
		Inflammation	Chronic, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
[Hepatodiaphragmatic Nodule TGLS = 2-11: Hepatodiaphragmatic Nodule]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Ovary		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 298

TRT#: 4

SEX: Female

DAY ON TEST: 645

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400398

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* 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	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic Active, Mild
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Inflammation	Chronic, Minimal
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
Mesentery	Fat	Necrosis	Marked
Note: Mammary Gland Tissue On Slide #10.			
[Necrosis TGLS = 1-11: Necrosis, Fat, Marked]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 2-10: Cyst, Moderate]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-7: Adenoma, Pars Distalis]			
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:29

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 299

TRT#: 4

SEX: Female

DAY ON TEST: 367

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400399

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* 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	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Clitoral GI			
Note: TGL#1-10: Clitoral Gland Mass, Noted At Necropsy, Is Mammary Gland Carcinoma Histopathologically.			
Note: Only One Clitoral Gland Available For Histopathological Examination.			
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Leukemia Mononuclear	
		Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Note: TGL#2-3-NCL: White Focus, Noted At Necropsy, Not Apparent Histopathologically.			
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 1-10: Carcinoma]			
* Pituitary Gland	Pars Distalis	Cyst	Minimal
	Pars Distalis	Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Leukemia Mononuclear	
[Hyperplasia TGLS = 3-4+5: Hyperplasia, Epithelium, Mild]			
* Stomach, Glandular	Epithelium	Erosion	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 299

TRT#: 4

SEX: Female

DAY ON TEST: 367

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400399

ORGAN AND ACCOUNTABLE SITE STATUS

[Erosion TGLS = 3-4+5: Erosion, Epithelium, Minimal]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Mammary Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 300

TRT#: 4

SEX: Female

DAY ON TEST: 567

DOSE: 0.06%

DISP: Moribund Sacrifice

HISTO: 9400400

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Rectum	* Lymph Node, Mandibular	* Parathyroid Gland	* Salivary Glands
* Skin	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Marked
[Degeneration TGLS = 3-7: Degeneration, Fatty, Marked]			
* Heart		Cardiomyopathy	Chronic, Minimal
* Intestine Large, Colon		Leukemia Mononuclear	
* Intestine Small, Duodenum		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Intestine Small, Jejunum		Leukemia Mononuclear	
* Islets, Pancreatic		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-2+11: Mononuclear Cell Leukemia, Mediastinal]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-4: Mononuclear Cell Leukemia]			
* Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery	Fat	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-12: Mononuclear Cell Leukemia, Fat]			
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Moderate
* Ovary		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 300	TRT#: 4 DOSE: 0.06%	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 567 HISTO: 9400400
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ORGAN AND ACCOUNTABLE SITE STATUS

Skeletal Muscle	Pars Distalis	Cyst	Mild
* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach	Epithelium	Leukemia Mononuclear	
	Epithelium	Hyperplasia	Moderate
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
* Stomach, Glandular	Epithelium	Ulcer	Marked
	Epithelium	Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
	Epithelium	Ulcer	Marked
* Thymus		Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	
* Uterus		Leukemia Mononuclear	

[Leukemia Mononuclear TGLS = 1-10: Mononuclear Cell Leukemia]

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 301

TRT#: 6
DOSE: 0.13%

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 723
HISTO: 9400251

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* 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	* Uterus		

OBSERVATIONS

* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[Hypertrophy TGLS = 2-11:Hypertrophy,Hepatocyte,Centrilobular,Mild]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Cyst	Minimal
	Pars Distalis	Hyperplasia	Moderate
	[Hyperplasia TGLS = 1-7: Hyperplasia, Pars Distalis, Moderate]		
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 302

TRT#: 6

SEX: Female

DAY ON TEST: 722

DOSE: 0.13%

DISP: Terminal Sacrifice

HISTO: 9400252

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Minimal
* Clitoral Gland		Hyperplasia	Mild
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Hepatodiaphragmatic Nodule TGLS = 3-12: Hepatodiaphragmatic Nodule]		
	[Hypertrophy TGLS = 2-11: Hypertrophy, Hepatocyte, Centrilobular, Mild]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Perivascular	Infiltration Cellular	Lymphocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 303

TRT#: 6

SEX: Female

DAY ON TEST: 682

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400253

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, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland		Adenoma	
		Hyperplasia	Mild
	[Adenoma TGLS = 1-12: Adenoma]		
	[Hyperplasia TGLS = 3-12: Hyperplasia, Mild]		
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Minimal
	[Fibroadenoma TGLS = 2-11: Fibroadenoma]		
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:29

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 304

TRT#: 6

SEX: Female

DAY ON TEST: 723

DOSE: 0.13%

DISP: Terminal Sacrifice

HISTO: 9400254

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	* Ovary	* Pancreas
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Brain		Astrocytoma Malignant	
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-11: Adenoma]			
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Moderate
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
[Hepatodiaphragmatic Nodule TGLS = 2-12: Hepatodiaphragmatic Nodule]			
[Hypertrophy TGLS = 5-12: Hypertrophy, Hepatocyte, Centrilobular, Mild]			
[Vacuolization Cytoplasmic TGLS = 5-12: Vacuolization Cytoplasm, Hepatocyte, Mild]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Artery, Vein	Mineralization	Minimal
* Lymph Node, Mesenteric		Ectasia	Marked
[Ectasia TGLS = 4-13: Ectasia, Marked]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 304	TRT#: 6 DOSE: 0.13%	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 723 HISTO: 9400254
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ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Fibroadenoma Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis Pars Distalis	Cyst Hyperplasia	Moderate Mild
	[Hyperplasia TGLS = 3-7: Hyperplasia, Pars Distalis, Mild]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 305

TRT#: 6

SEX: Female

DAY ON TEST: 723

DOSE: 0.13%

DISP: Terminal Sacrifice

HISTO: 9400255

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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolar Epith	Hyperplasia	Moderate
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Perivascular	Infiltration Cellular	Lymphocyte, Mild
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 306

TRT#: 6

SEX: Female

DAY ON TEST: 703

DOSE: 0.13%

DISP: Natural Death

HISTO: 9400256

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
		Inflammation	Chronic Active, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 4-7: Adenoma, Pars Distalis]		
* Spleen		Hemorrhage	Marked
		Leukemia Mononuclear	
Note: Splenic Rupture As Documented Grossly At Necropsy.			
	[Hemorrhage TGLS = 1-11: Hemorrhage, Marked]		
	[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]		
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

- Spleen Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 306

TRT#: 6
DOSE: 0.13%

SEX: Female
DISP: Natural Death

DAY ON TEST: 703
HISTO: 9400256

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma;Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 307

TRT#: 6

SEX: Female

DAY ON TEST: 543

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400257

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	* 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	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Brain		Hydrocephalus	Moderate
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
	Epithelium	Inflammation	Chronic Active, Moderate
	Epithelium	Ulcer	Marked
	[Hyperplasia TGLS = 2-11: Hyperplasia, Epithelium, Moderate]		
	[Ulcer TGLS = 2-11: Ulcer, Epithelium, Marked]		

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Hydrocephalus;Stomach;Forestomach Epithelium Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 308

TRT#: 6

SEX: Female

DAY ON TEST: 722

DOSE: 0.13%

DISP: Terminal Sacrifice

HISTO: 9400258

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hypertrophy	Moderate
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Mild
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Hypertrophy TGLS = 2,3,4,5:11+12+13:Hypertrop,Hepatocy,Centrilob,Mild]		
	[Vacuolization Cytoplasmic TGLS = 2,3,4,5:11+12+13:Vacuoliz Cyto,Hepatocyte,Mild]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		
* Thymus		Thymoma Benign	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 309

TRT#: 6

SEX: Female

DAY ON TEST: 724

DOSE: 0.13%

DISP: Terminal Sacrifice

HISTO: 9400259

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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Moderate
	Hepatocyte	Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Moderate
	[Hypertrophy TGLS = 2-4+5:Hypertrophy,Hepatocyte,Centrilobular,Mild]		
	[Vacuolization Cytoplasmic TGLS = 2-4+5:Vacuolization,Cytoplasm,Hepatocyte,Moderate]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Ovary		Cyst	Marked
	[Cyst TGLS = 3-10: Cyst, Marked]		
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 309

TRT#: 6

SEX: Female

DAY ON TEST: 724

DOSE: 0.13%

DISP: Terminal Sacrifice

HISTO: 9400259

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 310

TRT#: 6

SEX: Female

DAY ON TEST: 722

DOSE: 0.13%

DISP: Terminal Sacrifice

HISTO: 9400260

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
	Hepatocyte	Necrosis	Minimal
		Pigmentation	Hemosiderin, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Hepatodiaphragmatic Nodule TGLS = 5-4: Hepatodiaphragmatic Nodule]		
	[Leukemia Mononuclear TGLS = 4-4+5: Mononuclear Cell leukemia]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 310	TRT#: 6	SEX: Female	DAY ON TEST: 722
	DOSE: 0.13%	DISP: Terminal Sacrifice	HISTO: 9400260

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 1-12: Fibroadenoma]		Hyperplasia	Cystic, Mild
Mesentery	Fat	Leukemia Mononuclear	
	Fat	Necrosis	Marked
[Necrosis TGLS = 3-11: Necrosis, Fat, Marked]			
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
		Necrosis	Moderate
[Leukemia Mononuclear TGLS = 2-11: Mononuclear Cell Leukemia]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 311

TRT#: 6

SEX: Female

DAY ON TEST: 603

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400261

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	* Ovary	* Pancreas
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Esophagus		Cyst	Moderate
[Cyst TGLS = 2-12: Cyst, Moderate]			
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
	Hepatocyte	Necrosis	Mild
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
[Hepatodiaphragmatic Nodule TGLS = 3-13: Hepatodiaphragmatic Nodule]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 311

TRT#: 6

SEX: Female

DAY ON TEST: 603

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400261

ORGAN AND ACCOUNTABLE SITE STATUS

Skel Muscle

Note: TGL#1-11: Mass, Documented At Necropsy, Is Subcutaneous Fibrosarcoma Histopathologically.

* Skin Subcut Tiss Fibrosarcoma

[Fibrosarcoma TGLS = 1-11: Fibrosarcoma, Subcutaneous Tissue]

* Spleen Leukemia Mononuclear

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibrosarcoma

CONTRIBUTORY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 312

TRT#: 6

SEX: Female

DAY ON TEST: 707

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400262

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Mild
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	

[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 313

TRT#: 6

SEX: Female

DAY ON TEST: 690

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400263

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Nose	* Parathyroid Gland
* Skin	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Islets, Pancreatic		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
	[Leukemia Mononuclear TGLS = 5-4+5: Mononuclear Cell Leukemia]		
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Iliac	Leukemia Mononuclear	
	Inguinal	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 313

TRT#: 6

SEX: Female

DAY ON TEST: 690

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400263

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-16: Mononuclear Cell Leukemia, Pancreatic]			
[Leukemia Mononuclear TGLS = 9-15: Mononuclear Cell Leukemia, Iliac]			
[Leukemia Mononuclear TGLS = 8-14: Mononuclear Cell Leukemia, Lumbar]			
[Leukemia Mononuclear TGLS = 12-11: Mononuclear Cell Leukemia, Mediastinal]			
[Leukemia Mononuclear TGLS = 11-17: Mononuclear Cell Leukemia, Axillary]			
[Leukemia Mononuclear TGLS = 7-13: Mononuclear Cell Leukemia, Renal]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6: Mononuclear Cell Leukemia]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-4: Mononuclear Cell Leukemia]			
* Mammary Gland		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 1-12: Hyperplasia, Cystic, Moderate]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-12: Mononuclear Cell Leukemia]			
Mesentery	Fat	Leukemia Mononuclear	
* Ovary		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Hyperplasia TGLS = 14-7: Hyperplasia, Pars Distalis, Moderate]			
* Salivary Glands		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 13-2: Mononuclear Cell Leukemia]			
* Uterus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-10: Mononuclear Cell Leukemia]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 313

TRT#: 6
DOSE: 0.13%

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 690
HISTO: 9400263

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 314

TRT#: 6

SEX: Female

DAY ON TEST: 724

DOSE: 0.13%

DISP: Terminal Sacrifice

HISTO: 9400264

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Centrilobular, Hepatocyte	Hepatodiaphragmatic Nodule	
		Hypertrophy	Mild
		Inflammation	Chronic, Moderate
	Hepatocyte	Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
	[Hepatodiaphragmatic Nodule TGLS = 5-5: Hepatodiaphragmatic Nodule]		
	[Hypertrophy TGLS = 6,7-4+11:Hypertrophy,Hepatocyte,Centrilob,Mild]		
	[Vacuolization Cytoplasmic TGLS = 6,7-4+11:Vacuoliz Cytoplasm,Hepatocyte, Mild]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Mild
	[Fibroadenoma TGLS = 1,2-12+13: Fibroadenoma, Multiple]		
Mesentery	Fat	Necrosis	Marked
	[Necrosis TGLS = 3-11: Necrosis, Fat, Marked]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 314	TRT#: 6	SEX: Female	DAY ON TEST: 724
	DOSE: 0.13%	DISP: Terminal Sacrifice	HISTO: 9400264

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Cyst	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-1: Mononuclear Cell leukemia]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 315

TRT#: 6

SEX: Female

DAY ON TEST: 724

DOSE: 0.13%

DISP: Terminal Sacrifice

HISTO: 9400265

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	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Centrilobular, Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Inflammation	Chronic, Moderate
	[Hypertrophy TGLS = 5-4+5: Hypertrophy, Hepatocyte, Centrilobular, Mild]	Vacuolization Cytoplasmic	Mild
	[Vacuolization Cytoplasmic TGLS = 5-4+5: Vacuolization, Cytoplasm, Hepatocyte, Mild]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-11: Fibroadenoma]		
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Mild
* Skin	Epidermis	Hyperplasia	Mild
		Inflammation	Chronic Active, Marked
	Pinna	Squamous Cell Papilloma	
		Ulcer	Marked
	[Inflammation TGLS = 2-12: Inflammation, Chronic-Active, Marked]		
	[Squamous Cell Papilloma TGLS = 3-12: Squamous Cell Papilloma, Pinna]		
	[Ulcer TGLS = 2-12: Ulcer, Marked]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:29

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 315

TRT#: 6

SEX: Female

DAY ON TEST: 724

DOSE: 0.13%

DISP: Terminal Sacrifice

HISTO: 9400265

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 4-10: Stromal Polyp]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 316

TRT#: 6

SEX: Female

DAY ON TEST: 723

DOSE: 0.13%

DISP: Terminal Sacrifice

HISTO: 9400266

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* 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

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Chronic, Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
	[Fibroadenoma TGLS = 1-11: Fibroadenoma]		
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 317

TRT#: 6

SEX: Female

DAY ON TEST: 724

DOSE: 0.13%

DISP: Terminal Sacrifice

HISTO: 9400267

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	* 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

* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Moderate
		Pigmentation	Hemosiderin, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[Hepatodiaphragmatic Nodule TGLS = 4-11: Hepatodiaphragmatic Nodule]		
	[Hypertrophy TGLS = 2,3-12+13:Hypertrophy,Hepatocyte,Centrilob,Mild]		
	[Vacuolization Cytoplasmic TGLS = 2,3-12+13:Vacuoliz,Cytoplasm,Hepatocyte,Moderate]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Fibroadenoma	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLS = 1-7: Hyperplasia, Pars Distalis, Mild]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 318

TRT#: 6
DOSE: 0.13%

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 722
HISTO: 9400268

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	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Hepatodiaphragmatic Nodule TGLS = 1-11: Hepatodiaphragmatic Nodule]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Skin			
	Note: TGL#2-7+11-NCL: Skin Considered To Be Within Normal Limits Histopathologically.		
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 319

TRT#: 6

SEX: Female

DAY ON TEST: 634

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400269

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Ovary
* Parathyroid Gland	* Skin	* Trachea	* Uterus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Mild
* Clitoral Gland		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Intestine Large, Colon		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
* Liver	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-4+5: Mononuclear Cell Leukemia]	Vacuolization Cytoplasmic	Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-12: Mononuclear Cell Leukemia]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-13: Mononuclear Cell Leukemia]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 319

TRT#: 6

SEX: Female

DAY ON TEST: 634

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400269

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 5-11: Mononuclear Cell Leukemia]

* Mammary Gland

Hyperplasia

Cystic, Mild

* Pancreas

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 7-4: Mononuclear Cell Leukemia]

* Pituitary Gland

Pars Distalis

Cyst

Mild

Pars Distalis

Hyperplasia

Mild

Leukemia Mononuclear

[Cyst TGLS = 6-7: Cyst, Pars Distalis, Mild]

* Salivary Glands

Leukemia Mononuclear

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell leukemia]

* Stomach, Forestomach

Leukemia Mononuclear

* Stomach, Glandular

Leukemia Mononuclear

* Thymus

Leukemia Mononuclear

* Thyroid Gland

Leukemia Mononuclear

* Urinary Bladder

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:29

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 320

TRT#: 6

SEX: Female

DAY ON TEST: 724

DOSE: 0.13%

DISP: Terminal Sacrifice

HISTO: 9400270

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* 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
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Pituitary Gland	Pars Distalis	Cyst	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 321

TRT#: 6

SEX: Female

DAY ON TEST: 724

DOSE: 0.13%

DISP: Terminal Sacrifice

HISTO: 9400271

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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Inflammation	Chronic Active, Minimal
* Clitoral Gland		Cyst	Moderate
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
	[Hepatodiaphragmatic Nodule TGLS = 2-5+11: Hepatodiaphragmatic Nodule]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
	[Fibroadenoma TGLS = 1-12: Fibroadenoma]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Primidone (primaclone)
 CAS Number: 125-33-7

Date Report Requested: 10/19/2014
 Time Report Requested: 08:31:29
 First Dose M/F: NA / NA
 Lab: BAT

ANIMAL ID: 322

TRT#: 6

SEX: Female

DAY ON TEST: 389

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400272

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	* 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

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Marked
* Kidney		Mineralization	Minimal
* Liver	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Minimal
* Lung		Carcinoma	Metastatic (Mammary Gland)
	[Carcinoma TGLS = 3,4-2+3: Carcinoma, Metastatic, Mammary Gland]		
Lymph Node	Thoracic	Carcinoma	Metastatic (Mammary Gland)
	Note: TGL#5-11-NCL: Mediastinal Lymph Nodes Considered To Be WNL Histopathologically.		
	[Carcinoma TGLS = 6-12: Carcinoma, Metastatic, Mammary Gld., Thoracic]		
* Mammary Gland		Carcinoma	
	[Carcinoma TGLS = 1,2-11+12: Carcinoma]		
* Pituitary Gland	Pars Distalis	Cyst	Minimal
	Pars Intermed	Cyst	Minimal
	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Mammary Gland Carcinoma

CONTRIBUTORY CAUSE OF DEATH

- Lung Carcinoma Mammary Gland; Lymph Node Thoracic Carcinoma Mammary Gland

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 323

TRT#: 6

SEX: Female

DAY ON TEST: 724

DOSE: 0.13%

DISP: Terminal Sacrifice

HISTO: 9400273

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Ectasia	Moderate
	[Ectasia TGLS = 1-6: Ectasia, Moderate]		
* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose		Inflammation	Chronic Active, Mild
* Ovary		Cyst	Marked
	[Cyst TGLS = 2-10: Cyst, Marked]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLS = 3-7: Hyperplasia, Pars Distalis, Mild]		
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 324

TRT#: 6

SEX: Female

DAY ON TEST: 668

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400274

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	* 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

* Adrenal Cortex		Angiectasis	Moderate
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
	Centrilobular, Hepatocyte	Hepatodiaphragmatic Nodule	
		Hypertrophy	Moderate
	Hepatocyte	Inflammation	Chronic, Mild
	[Hepatodiaphragmatic Nodule TGLS = 3-5: Hepatodiaphragmatic Nodule]	Vacuolization Cytoplasmic	Mild
	[Hypertrophy TGLS = 2-4:Hypertrophy,Hepatocyte,Centrilobular,Moderate]		
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
	[Alveolar/Bronchiolar Adenoma TGLS = 4-11: Adenoma, Alveolar-Bronchiolar]		
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Minimal
	[Fibroadenoma TGLS = 1-12: Fibroadenoma]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 325

TRT#: 6

SEX: Female

DAY ON TEST: 722

DOSE: 0.13%

DISP: Terminal Sacrifice

HISTO: 9400275

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* 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

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Mild
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
Note: TGL1-11-NCL: Liver Nodule, Documented At Trim, Not Apparent Histopathologically.			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
* Uterus		Hyperplasia	Cystic, Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 326

TRT#: 6

SEX: Female

DAY ON TEST: 724

DOSE: 0.13%

DISP: Terminal Sacrifice

HISTO: 9400276

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* 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

* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Minimal
Mesentery	Fat	Necrosis	Marked
	[Necrosis TGLS = 1-11: Necrosis, Fat, Marked]		
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLS = 2-12: Hyperplasia, Pars Distalis, Mild]		
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 327

TRT#: 6

SEX: Female

DAY ON TEST: 723

DOSE: 0.13%

DISP: Terminal Sacrifice

HISTO: 9400277

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* 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	

MISSING

* Pituitary Gland

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Mild
* Heart		Cardiomyopathy	Chronic, Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Ovary			
Note: Only One Ovary Available For Histopathologic Examination.			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 328

TRT#: 6

SEX: Female

DAY ON TEST: 724

DOSE: 0.13%

DISP: Terminal Sacrifice

HISTO: 9400278

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	* 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

* Adrenal Cortex		Hyperplasia	Mild
* Clitoral Gland		Hyperplasia	Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Parathyroid GI			
Note: TGL#2-7: Enlarged Right Parathyroid Gld, Documented At Trim, Is Thyroid Gld C-Cell Adenoma Histopathologically.			
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLS = 1-7: Hyperplasia, Pars Distalis, Mild]		
* Thyroid Gland	C Cell	Adenoma	
	[Adenoma TGLS = 2-7: C-Cell Adenoma]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:29

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 329

TRT#: 6

SEX: Female

DAY ON TEST: 618

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400279

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-4+5: Mononuclear Cell Leukemia]	Vacuolization Cytoplasmic	Moderate
	[Vacuolization Cytoplasmic TGLS = 3-4+5: Cytoplasmic Vacuoliz, Hepatocyte, Moderate]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
	[Fibroadenoma TGLS = 1-12: Fibroadenoma]		
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	[Cyst TGLS = 4-7: Cyst, Pars Distalis, Moderate]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-11: Mononuclear Cell Leukemia]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear
 CONTRIBUTORY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 330

TRT#: 6

SEX: Female

DAY ON TEST: 456

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400280

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, 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	Marked
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 2-12: Carcinoma]			
* Kidney		Mineralization	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
[Hepatodiaphragmatic Nodule TGLS = 3-11: Hepatodiaphragmatic Nodule]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 1-1: Hematopoietic Cell Proliferation, Moderate]			

PRIMARY CAUSE OF DEATH

- Clitoral Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 331

TRT#: 6

SEX: Female

DAY ON TEST: 550

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400281

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* 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

* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Mineralization	Minimal
* Liver	Centrilobular, Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Inflammation	Chronic, Minimal
		Vacuolization Cytoplasmic	Minimal
Note: TGL#4-4-NCL: Liver Focus, Noted At Necropsy, Not Apparent Histopathologically.			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
Lymph Node			
Note: TGL#3-13: Enlarged Inguinal Lymph Node, Noted At Necropsy, Is Large Vaginal Wall Cyst Histopathologically.			
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Moderate
[Fibroadenoma TGLS = 1,2-11+12: Fibroadenoma, Multiple]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-7: Adenoma, Pars Distalis]			
Vagina		Cyst	Moderate
[Cyst TGLS = 3-13: Cyst, Moderate]			

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma
CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 332

TRT#: 6

SEX: Female

DAY ON TEST: 610

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400282

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Pancreas	* Parathyroid Gland	* Skin
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage	Moderate
		Leukemia Mononuclear	
	[Hemorrhage TGLS = 2-6: Hemorrhage, Moderate]		
	[Leukemia Mononuclear TGLS = 2-6: Mononuclear Cell Leukemia]		
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Minimal
Mesentery	Fat	Leukemia Mononuclear	
* Ovary		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Salivary Glands		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 332	TRT#: 6	SEX: Female	DAY ON TEST: 610
	DOSE: 0.13%	DISP: Moribund Sacrifice	HISTO: 9400282

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]		Leukemia Mononuclear	
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
	Epithelium	Inflammation	Chronic Active, Mild
	Epithelium	Ulcer	Marked
[Ulcer TGLS = 3-4+11: Ulcer, Epithelium, Marked]			

PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Brain	Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 333

TRT#: 6

SEX: Female

DAY ON TEST: 724

DOSE: 0.13%

DISP: Terminal Sacrifice

HISTO: 9400283

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* 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	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Mild
	[Hyperplasia TGLS = 1-10: Hyperplasia, Mild]		
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Mild
* Uterus		Hyperplasia	Cystic, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 334

TRT#: 6

SEX: Female

DAY ON TEST: 722

DOSE: 0.13%

DISP: Terminal Sacrifice

HISTO: 9400284

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* 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	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Marked
		Inflammation	Chronic, Marked
		Pigmentation	Hemosiderin, Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
[Basophilic Focus TGLS = 3,4-11]			
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Leiomyosarcoma	
		Polyp Stromal	
[Leiomyosarcoma TGLS = 1-12: Leiomyosarcoma]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 335

TRT#: 6

SEX: Female

DAY ON TEST: 722

DOSE: 0.13%

DISP: Terminal Sacrifice

HISTO: 9400285

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	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Clitoral Gland		Hyperplasia Inflammation	Moderate Chronic Active, Marked
	[Hyperplasia TGLS = 2-10: Hyperplasia, Moderate] [Inflammation TGLS = 2-10: Inflammation, Chronic-Active, Marked]		
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Fibroadenoma	
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Mild
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 336

TRT#: 6

SEX: Female

DAY ON TEST: 501

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400286

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	* 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	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adren Cortex			
Note: Only One Adrenal Gland Available For Histopathologic Examination.			
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-11: Adenoma]			
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

- Clitoral Gland Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 336

TRT#: 6

SEX: Female

DAY ON TEST: 501

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400286

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 337

TRT#: 6

SEX: Female

DAY ON TEST: 644

DOSE: 0.13%

DISP: Natural Death

HISTO: 9400287

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* 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
* Uterus			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Hepatocyte	Necrosis	Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
[Hepatodiaphragmatic Nodule TGLS = 2-5: Hepatodiaphragmatic Nodule]			
* Lung	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Minimal
[Fibroadenoma TGLS = 1-11: Fibroadenoma]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-7: Adenoma, Pars Distalis]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocyte Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 338

TRT#: 6

SEX: Female

DAY ON TEST: 722

DOSE: 0.13%

DISP: Terminal Sacrifice

HISTO: 9400288

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* 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	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic Active, Minimal
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Inflammation	Chronic, Moderate
	[Hypertrophy TGLS = 2-11:Hypertrophy,Hepatocyte,Centrilobular,Mild]	Vacuolization Cytoplasmic	Mild
	[Vacuolization Cytoplasmic TGLS = 2-11:Vacuolization,Cytoplasm,Hepatocyte,Mild]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Perivascular	Infiltration Cellular	Lymphocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery	Fat	Necrosis	Marked
	[Necrosis TGLS = 1-12: Necrosis, Fat, Marked]		
* Nose		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Mild
	[Adenoma TGLS = 3-7: Adenoma, Pars Distalis]		
* Thyroid Gland	Bilateral, C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 338

TRT#: 6

SEX: Female

DAY ON TEST: 722

DOSE: 0.13%

DISP: Terminal Sacrifice

HISTO: 9400288

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 339

TRT#: 6

SEX: Female

DAY ON TEST: 723

DOSE: 0.13%

DISP: Terminal Sacrifice

HISTO: 9400289

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	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Moderate
	[Hyperplasia TGLS = 1-10: Hyperplasia, Moderate]		
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Minimal
		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:29

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 340

TRT#: 6

SEX: Female

DAY ON TEST: 723

DOSE: 0.13%

DISP: Terminal Sacrifice

HISTO: 9400290

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	* Mammary Gland	* Ovary	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-10: Adenoma]			
* Kidney		Leukemia Mononuclear	
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Moderate
[Cyst TGLS = 4-7: Cyst, Pars Distalis, Moderate]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-1: Mononuclear Cell Leukemia]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 340

TRT#: 6
DOSE: 0.13%

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 723
HISTO: 9400290

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus
Zymbal's Gland
[Carcinoma TGLS = 1-11: Carcinoma]

Polyp Stromal
Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 341

TRT#: 6

SEX: Female

DAY ON TEST: 723

DOSE: 0.13%

DISP: Terminal Sacrifice

HISTO: 9400291

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[Leukemia Mononuclear TGLS = 2-4+5: Mononuclear Cell Leukemia]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid GI			
	Note: Ectopic Parathyroid Gland Tissue Attached To Thymus On Slide #02.		
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
	Pars Distalis	Cyst	Mild
	[Adenoma TGLS = 3-7: Adenoma, Pars Distalis, Multiple]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 341	TRT#: 6 DOSE: 0.13%	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 723 HISTO: 9400291
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ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:29

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 342

TRT#: 6

SEX: Female

DAY ON TEST: 722

DOSE: 0.13%

DISP: Terminal Sacrifice

HISTO: 9400292

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	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Mild
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
* Skin		Hyperkeratosis	Marked
	Epidermis	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild

[Hyperkeratosis TGLS = 1-11: Hyperkeratosis, Marked]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 343

TRT#: 6

SEX: Female

DAY ON TEST: 724

DOSE: 0.13%

DISP: Terminal Sacrifice

HISTO: 9400293

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* 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	* Uterus		

OBSERVATIONS

Eye	Retina	Degeneration Inflammation	Marked Chronic Active, Moderate
<p>Note: Lesion Probably Due To Intraorbital Intervention For Purpose Of Obtaining Blood Sample. [Degeneration TGLS = 1-11: Degeneration, Retina, Marked] [Inflammation TGLS = 1-11: Inflammation, Chronic-Active, Moderate]</p>			
Harderian Gland		Inflammation	Chronic Active, Moderate
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:29

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 344

TRT#: 6

SEX: Female

DAY ON TEST: 724

DOSE: 0.13%

DISP: Terminal Sacrifice

HISTO: 9400294

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Mild
Eye	Lens	Cataract	Marked
	Retina	Degeneration	Marked
	[Cataract TGLS = 1-11: Cataract, Lens, Marked]		
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic, Moderate
	Hepatocyte	Mixed Cell Focus	
	[Hypertrophy TGLS = 3-4+5: Hypertrophy, Hepatocyte, Centrilob, Moderate]	Vacuolization Cytoplasmic	Mild
	[Mixed Cell Focus TGLS = 3-4+5: Mixed Cell Focus]		
	[Vacuolization Cytoplasmic TGLS = 3-4+5: Vacuolization Cytoplasm, Hepatocyte, Mild]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 344

TRT#: 6

SEX: Female

DAY ON TEST: 724

DOSE: 0.13%

DISP: Terminal Sacrifice

HISTO: 9400294

ORGAN AND ACCOUNTABLE SITE STATUS

[Polyp Stromal TGLS = 2-11: Stromal Polyp]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 345

TRT#: 6

SEX: Female

DAY ON TEST: 722

DOSE: 0.13%

DISP: Terminal Sacrifice

HISTO: 9400295

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* 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	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
	[Fibroadenoma TGLS = 1-11: Fibroadenoma]		
* Nose		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLS = 2-7: Hyperplasia, Pars Distalis, Mild]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:29

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 346

TRT#: 6

SEX: Female

DAY ON TEST: 695

DOSE: 0.13%

DISP: Natural Death

HISTO: 9400296

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* 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
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Adrenal Medulla

OBSERVATIONS

* Adrenal Cortex		Atrophy	Moderate
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Leukemia Mononuclear TGLS = 4-4+5: Mononuclear Cell Leukemia]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery	Fat	Necrosis	Marked
	[Necrosis TGLS = 2-11: Necrosis, Fat, Marked]		
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 346

TRT#: 6

SEX: Female

DAY ON TEST: 695

DOSE: 0.13%

DISP: Natural Death

HISTO: 9400296

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 5-7: Adenoma, Pars Distalis]

* Spleen

Fibrosis

Mild

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3-1: Mononuclear Cell leukemia]

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Adrenal Cortex Atrophy;Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 347

TRT#: 6

SEX: Female

DAY ON TEST: 723

DOSE: 0.13%

DISP: Terminal Sacrifice

HISTO: 9400297

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* 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
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Lymph Node, Mandibular		Inflammation	Chronic Active, Marked
	[Inflammation TGLS = 1-6: Inflammation, Chronic-Active, Marked]		
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Moderate
* Uterus		Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 348

TRT#: 6

SEX: Female

DAY ON TEST: 709

DOSE: 0.13%

DISP: Moribund Sacrifice

HISTO: 9400298

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hypertrophy	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Kidney		Nephropathy	Chronic, Mild
* Liver	Centrilobular, Hepatocyte	Basophilic Focus	
		Hypertrophy	Mild
		Inflammation	Chronic, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-11: Fibroadenoma]		
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Stomach, Forestomach		Hyperplasia	Basal Cell, Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 349

TRT#: 6

SEX: Female

DAY ON TEST: 693

DOSE: 0.13%

DISP: Natural Death

HISTO: 9400299

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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Hemorrhage	Moderate
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Mild
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
	[Hyperplasia TGLS = 3-11: Hyperplasia, Epithelium, Mild]		

Vagina

Note: TGL#2-10-NCL: Uterus Considered To Be Within Normal Limits Histopathologically.

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 350

TRT#: 6

SEX: Female

DAY ON TEST: 696

DOSE: 0.13%

DISP: Natural Death

HISTO: 9400300

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	* 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 Cortex		Hyperplasia	Minimal
* Brain		Hemorrhage	Moderate
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Inflammation	Chronic, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Moderate
	[Fibroadenoma TGLS = 1-11: Fibroadenoma]		
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Mild
	[Cyst TGLS = 2-7: Cyst, Pars Distalis, Moderate]		

PRIMARY CAUSE OF DEATH

- Brain Hemorrhage

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Cyst

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 351

TRT#: 8

SEX: Female

DAY ON TEST: 723

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 9400151

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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic, Mild
	Hepatocyte	Necrosis	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Hypertrophy TGLS = 1-11:Hypertrophy,Hepatocyte,Centrilobular,Moderate]		
	[Vacuolization Cytoplasmic TGLS = 1-11:Vacuolization Cytoplasm,Hepatocyte,Mild]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 352

TRT#: 8

SEX: Female

DAY ON TEST: 723

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 9400152

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* 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	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

Eye	Antr Chamber	Inflammation	Suppurative, Moderate
[Inflammation TGLS = 2-11:Inflam,Antr Chamber,Suppurative,Moderate]			
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic, Mild
		Mixed Cell Focus	
* Lung	Hepatocyte	Vacuolization Cytoplasmic	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Ovary		Inflammation	Chronic Active, Moderate
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 1-7: Hyperplasia, Pars Distalis, Moderate]			
* Uterus		Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 353

TRT#: 8

SEX: Female

DAY ON TEST: 723

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 9400153

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	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 1-10: Hyperplasia, Mild]			
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic, Minimal
	Hepatocyte	Leukemia Mononuclear	Mild
* Lung	Alveolar Epith	Vacuolization Cytoplasmic	Mild
	Alveolus	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-2+3: Mononuclear Cell Leukemia]			
* Mammary Gland		Hyperplasia	Cystic, Minimal
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 3-11: Necrosis, Fat, Marked]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Mild
[Adenoma TGLS = 5-7: Adenoma, Pars Distalis]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 353

TRT#: 8

SEX: Female

DAY ON TEST: 723

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 9400153

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:29
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 354

TRT#: 8

SEX: Female

DAY ON TEST: 724

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 9400154

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Hyperplasia	Mild
* Heart		Cardiomyopathy	Chronic, Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Eosinophilic Focus	
	Hepatocyte	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-4+5: Mononuclear Cell Leukemia]	Vacuolization Cytoplasmic	Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Inguinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Cyst	Marked
	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Cyst TGLS = 1-7: Cyst, Pars Distalis, Marked]		
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 354	TRT#: 8	SEX: Female	DAY ON TEST: 724
	DOSE: 0.25%	DISP: Terminal Sacrifice	HISTO: 9400154

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]

* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 355

TRT#: 8

SEX: Female

DAY ON TEST: 433

DOSE: 0.25%

DISP: Natural Death

HISTO: 9400155

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	* Liver
* 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

* Bone Marrow		Hyperplasia	Moderate
* Heart			
Note: TGL#1-5-NCL: Enlarged Right Atrium, Noted At Necropsy, Filled With Blood Histopathologically, But Considered To Be WNL - There Was No Evidence Of Thrombosis.			
* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Nose		Inflammation	Suppurative, Moderate
Oral Mucosa	Pharyngeal	Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 2-11: Squamous Cell Carcinoma, Pharyngeal]			

PRIMARY CAUSE OF DEATH

- Oral Mucosa Pharyngeal Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 356

TRT#: 8

SEX: Female

DAY ON TEST: 675

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400156

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
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Clitoral Gland		Carcinoma	
		Inflammation	Chronic Active, Mild
	[Carcinoma TGLS = 1-11: Carcinoma]		
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
* Lung	Hepatocyte	Vacuolization Cytoplasmic	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Artery, Vein	Mineralization	Minimal
* Lymph Node, Mesenteric		Ectasia	Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
	[Fibroadenoma TGLS = 2-12: Fibroadenoma]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Clitoral Gland Carcinoma
CONTRIBUTORY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 357

TRT#: 8

SEX: Female

DAY ON TEST: 561

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400157

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	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver	Centrilobular, Hepatocyte	Degeneration	Moderate
	Centrilobular, Hepatocyte	Hypertrophy	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Sarcoma Stromal	

[Sarcoma Stromal TGLS = 1-10: Stromal Sarcoma]

PRIMARY CAUSE OF DEATH

- Uterus Sarcoma Stromal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:30

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 358

TRT#: 8

SEX: Female

DAY ON TEST: 724

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 9400158

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Clitoral Gland		Hyperplasia	Mild
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver	Centrilobular, Hepatocyte	Eosinophilic Focus	
		Hypertrophy	Moderate
		Inflammation	Chronic, Mild
		Mixed Cell Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Hypertrophy TGLS = 3-11: Hypertrophy, Hepatocyte, Centrilobular, Moderate]		
	[Vacuolization Cytoplasmic TGLS = 3-11: Vacuolization Cytoplasm, Hepatocyte, Mild]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Cyst	Marked
		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Mild
	[Cyst TGLS = 2-12: Cyst, Marked]		
	[Fibroadenoma TGLS = 1,2-12+13: Fibroadenoma, Multiple]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 358

TRT#: 8
DOSE: 0.25%

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 724
HISTO: 9400158

ORGAN AND ACCOUNTABLE SITE STATUS

	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 4-7: Hyperplasia, Pars Distalis, Moderate]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 359

TRT#: 8

SEX: Female

DAY ON TEST: 548

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400159

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* 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	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Inflammation	Chronic, Mild
		Pigmentation	Hemosiderin, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
	[Inflammation TGLS = 2-4: Inflammation, Chronic, Mild]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Marked
	[Hyperplasia TGLS = 1-11: Hyperplasia, Cystic, Marked]		
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-7: Adenoma, Pars Distalis]		

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 360

TRT#: 8

SEX: Female

DAY ON TEST: 723

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 9400160

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Uterus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Mild
		Hypertrophy	Mild
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 2-12: Carcinoma]			
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Angiectasis	Moderate
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic, Mild
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
[Angiectasis TGLS = 3-4+11: Angiectasis, Moderate]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Minimal
[Fibroadenoma TGLS = 1-11: Fibroadenoma]			
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
[Cyst TGLS = 4-7: Cyst, Pars Distalis, Mild]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 360

TRT#: 8
DOSE: 0.25%

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 723
HISTO: 9400160

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 361

TRT#: 8

SEX: Female

DAY ON TEST: 724

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 9400161

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* 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

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[Leukemia Mononuclear TGLS = 2-4+5: Mononuclear Cell Leukemia]		
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
	[Alveolar/Bronchiolar Adenoma TGLS = 3-3: Adenoma, Alveolar-Bronchiolar]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell leukemia]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 361

TRT#: 8

SEX: Female

DAY ON TEST: 724

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 9400161

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 362

TRT#: 8

SEX: Female

DAY ON TEST: 722

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 9400162

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* 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	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland

OBSERVATIONS

Blood Vessel		Inflammation	Chronic Active, Moderate
Note: Mesenteric Artery Adjacent To Duodenum and Pancreas			
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
[Adenoma TGLS = 1-7: Adenoma, Pars Distalis, Multiple]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 363

TRT#: 8

SEX: Female

DAY ON TEST: 491

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400163

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	* Salivary Glands	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
	[Hepatodiaphragmatic Nodule TGLS = 2-11: Hepatodiaphragmatic Nodule]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Mild
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 364

TRT#: 8

SEX: Female

DAY ON TEST: 626

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400164

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Nose	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver	Bile Duct	Nephropathy	Chronic, Mild
	Hepatocyte	Hyperplasia	Mild
	[Leukemia Mononuclear TGLS = 2-4+5: Mononuclear Cell Leukemia]	Leukemia Mononuclear	
* Lung	Alveolus	Vacuolization Cytoplasmic	Mild
	Artery, Vein	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	Minimal
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-4: Mononuclear Cell Leukemia]		
* Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery	Fat	Necrosis	Marked
	[Necrosis TGLS = 5-11: Necrosis, Fat. Marked]		
* Ovary		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLS = 3-7: Hyperplasia, Pars Distalis, Mild]		
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 364	TRT#: 8	SEX: Female	DAY ON TEST: 626
	DOSE: 0.25%	DISP: Moribund Sacrifice	HISTO: 9400164

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]

* Stomach, Forestomach

Epithelium

Hyperplasia

Moderate

Epithelium

Inflammation

Chronic Active, Marked

Epithelium

Ulcer

Marked

[Ulcer TGLS = 6-11: Ulcer, Marked]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 365

TRT#: 8

SEX: Female

DAY ON TEST: 550

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400165

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
		Myelofibrosis	Mild
		Fibrosarcoma	Metastatic (Spleen)
* Intestine Large, Cecum			
[Fibrosarcoma TGLS = 11-11:Fibrosarcoma, Metastatic, Spleen]			
* Intestine Small, Ileum		Fibrosarcoma	Metastatic (Spleen)
[Fibrosarcoma TGLS = 12-11:Fibrosarcoma, Metastatic, Spleen]			
* Intestine Small, Jejunum		Fibrosarcoma	Metastatic (Spleen)
[Fibrosarcoma TGLS = 10-12:Fibrosarcoma, Metastatic, Spleen]			
* Kidney		Hydronephrosis	Mild
		Nephropathy	Chronic, Minimal
Note: TGL#4-11-NCL: Deformity, Left Kidney, Noted At Necropsy, Not Apparent Histopathologically.			
[Hydronephrosis TGLS = 6-1: Hydronephrosis, Mild]			
* Liver		Fibrosarcoma	Metastatic (Spleen)
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Portal Vein	Thrombosis	Marked
[Fibrosarcoma TGLS = 7-5:Fibrosarcoma, Metastatic, Spleen]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Lymph Node, Mesenteric		Ectasia	Moderate
Note: Sinusoids Dilated With Blood			
[Ectasia TGLS = 9-4: Ectasia, Moderate]			
* Mammary Gland		Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 365	TRT#: 8	SEX: Female	DAY ON TEST: 550
	DOSE: 0.25%	DISP: Moribund Sacrifice	HISTO: 9400165

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery [Fibrosarcoma TGLS = 5-12:Fibrosarcoma, Metastatic, Spleen]		Fibrosarcoma	Metastatic (Spleen)
* Pancreas		Fibrosarcoma	Metastatic (Spleen)
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 8-7: Hyperplasia, Pars Distalis, Moderate]			
* Spleen [Fibrosarcoma TGLS = 2,3-12+1: Fibrosarcoma]		Fibrosarcoma	
* Stomach, Glandular [Fibrosarcoma TGLS = 13-12:Fibrosarcoma, Metastatic, Spleen]		Fibrosarcoma	Metastatic (Spleen)

PRIMARY CAUSE OF DEATH - Spleen Fibrosarcoma

CONTRIBUTORY CAUSE OF DEATH - Intestine Large;Cecum Fibrosarcoma Spleen;Intestine Small;Ileum Fibrosarcoma Spleen;Intestine Small;Jejunum Fibrosarcoma Spleen;Liver
Fibrosarcoma Spleen;Liver Leukemia Mononuclear;Mesentery Fibrosarcoma Spleen;Stomach;Glandular Fibrosarcoma Spleen

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:30

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 366

TRT#: 8

SEX: Female

DAY ON TEST: 708

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400166

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	Chronic, Minimal
* Liver	Centrilobular, Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic, Minimal
		Pigmentation	Hemosiderin, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		
* Uterus		Hyperplasia	Cystic, Mild
		Polyp Stromal	

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:30

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 367

TRT#: 8

SEX: Female

DAY ON TEST: 674

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400167

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	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Kidney		Nephropathy	Chronic, Mild
* Liver	Centrilobular, Hepatocyte	Hypertrophy	Marked
		Inflammation	Chronic, Moderate
		Pigmentation	Hemosiderin, Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Cystic, Marked
	[Hyperplasia TGLS = 1-11: Hyperplasia, Cystic, Marked]		
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Marked
	[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]		
	[Cyst TGLS = 2-7: Cyst, Pars Distalis, Marked]		

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Liver Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 368

TRT#: 8

SEX: Female

DAY ON TEST: 682

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400168

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	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Hepatodiaphragmatic Nodule	
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic, Moderate
		Pigmentation	Hemosiderin, Mild
	[Hepatodiaphragmatic Nodule TGLS = 2-4: Hepatodiaphragmatic Nodule]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]		
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 369

TRT#: 8

SEX: Female

DAY ON TEST: 708

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400169

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* 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	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
	[Nephropathy TGLS = 3-1: Nephropathy, Chronic, Mild]		
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[Leukemia Mononuclear TGLS = 2-4+5: Mononuclear Cell Leukemia]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-2: Mononuclear Cell Leukemia, Mediastinal]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
Oral Mucosa	Gingival	Squamous Cell Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 369	TRT#: 8	SEX: Female	DAY ON TEST: 708
	DOSE: 0.25%	DISP: Moribund Sacrifice	HISTO: 9400169

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 5-7: Adenoma, Pars Distalis]	Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]		
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland	Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:30

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 370

TRT#: 8

SEX: Female

DAY ON TEST: 590

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400170

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-4+5: Mononuclear Cell Leukemia]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
		Lymph Node	
		Note: TGL#3-2-NCL: Mediastinal Lymph Node Lost During Trimming/Processing. Unavailable For Histopathologic Examination.	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Cyst	Minimal
	Pars Intermed	Cyst	Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]		

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Primidone (primaclone)
 CAS Number: 125-33-7

Date Report Requested: 10/19/2014
 Time Report Requested: 08:31:30
 First Dose M/F: NA / NA
 Lab: BAT

ANIMAL ID: 371

TRT#: 8

SEX: Female

DAY ON TEST: 724

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 9400171

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	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Nephropathy	Chronic, Mild
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
	Hepatocyte	Necrosis	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
[Leukemia Mononuclear TGLS = 2-4+5: Mononuclear Cell Leukemia]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 371

TRT#: 8

SEX: Female

DAY ON TEST: 724

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 9400171

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 372

TRT#: 8

SEX: Female

DAY ON TEST: 605

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400172

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* 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	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-10: Adenoma]			
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Perivascular	Infiltration Cellular	Lymphocyte, Mild
	Interstitium	Inflammation	Chronic Active, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-10: Stromal Polyp]			

PRIMARY CAUSE OF DEATH

- Clitoral Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 373

TRT#: 8

SEX: Female

DAY ON TEST: 722

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 9400173

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Bone Marrow		Hyperplasia	Moderate
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic, Mild
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
	[Hypertrophy TGLS = 2-11:Hypertrophy,Hepatocyte,Centilobular,Moderate]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Artery, Vein	Mineralization	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Minimal
	Pars Distalis	Hyperplasia	Minimal
* Uterus		Sarcoma Stromal	
	[Sarcoma Stromal TGLS = 1-11+12: Stromal Sarcoma]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 374

TRT#: 8

SEX: Female

DAY ON TEST: 722

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 9400174

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Hyperplasia	Mild
* Kidney		Leukemia Mononuclear	
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
[Leukemia Mononuclear TGLS = 4-4+5: Mononuclear Cell Leukemia]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 374

TRT#: 8

SEX: Female

DAY ON TEST: 722

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 9400174

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 2-11: Fibroadenoma]

* Nose

Inflammation

Chronic Active, Mild

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 1-7: Adenoma, Pars Distalis]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3-1: Mononuclear Cell Leukemia]

* Uterus

Polyp Stromal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 375

TRT#: 8

SEX: Female

DAY ON TEST: 724

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 9400175

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* 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	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Clitoral Gland		Hyperplasia	Mild
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Eosinophilic Focus TGLS = 2-12: Eosinophilic Focus]		
	[Hypertrophy TGLS = 2,4-12+4: Hypertrophy, Hepatocyte, Centilob, Moderate]		
	[Vacuolization Cytoplasmic TGLS = 2-12: Vacuolization Cytoplasm, Hepatocyte, Mild]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Perivascular	Infiltration Cellular	Lymphocyte, Mild
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
	[Fibroadenoma TGLS = 1-11: Fibroadenoma]		
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
	Pars Distalis	Cyst	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 375

TRT#: 8

SEX: Female

DAY ON TEST: 724

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 9400175

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 3-7: Cyst, Pars Distalis, Mild]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 376

TRT#: 8

SEX: Female

DAY ON TEST: 723

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 9400176

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
Eye	Lens	Cataract	Marked
	Retina	Degeneration	Marked
	[Cataract TGLS = 1-11: Cataract, Marked]		
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver	Hepatocyte	Degeneration	Cystic, Minimal
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
* Lung	Hepatocyte	Vacuolization Cytoplasmic	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Perivascular	Infiltration Cellular	Lymphocyte, Minimal
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
* Lymph Node, Mesenteric		Ectasia	Mild
	[Ectasia TGLS = 4-4: Ectasia, Mild]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 376	TRT#: 8	SEX: Female	DAY ON TEST: 723
	DOSE: 0.25%	DISP: Terminal Sacrifice	HISTO: 9400176

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 2-12: Necrosis, Fat, Marked]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
[Adenoma TGLS = 3-7: Adenoma, Pars Distalis]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 377

TRT#: 8

SEX: Female

DAY ON TEST: 724

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 9400177

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* 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

* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic, Mild
		Mixed Cell Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Basophilic Focus TGLS = 1-11: Basophilic Focus]		
	[Eosinophilic Focus TGLS = 1-11: Eosinophilic Focus]		
	[Hepatodiaphragmatic Nodule TGLS = 5-4: Hepatodiaphragmatic Nodule]		
	[Hypertrophy TGLS = 1-11: Hypertrophy, Hepatocyte, Centrilobular, Moderate]		
	[Vacuolization Cytoplasmic TGLS = 1-11: Vacuolization Cytoplasm, Hepatocyte, Mild]		
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Perivascular	Infiltration Cellular	Lymphocyte, Minimal
	Artery, Vein	Mineralization	Minimal
	[Alveolar/Bronchiolar Adenoma TGLS = 4-2: Adenoma, Alveolar-Bronchiolar]		
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 377	TRT#: 8 DOSE: 0.25%	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 724 HISTO: 9400177
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ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 2-12: Fibroadenoma]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Mild
[Adenoma TGLS = 3-7: Adenoma, Pars Distalis]			

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 378

TRT#: 8

SEX: Female

DAY ON TEST: 596

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400178

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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	* Pancreas	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Uterus	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
	Hepatocyte	Leukemia Mononuclear	
	Hepatocyte	Necrosis	Mild
	[Leukemia Mononuclear TGLS = 3-4+5: Mononuclear Cell Leukemia]	Vacuolization Cytoplasmic	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
	[Hyperplasia TGLS = 4-7: Hyperplasia,Pars Distalis,Moderate]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell leukemia]		
* Urinary Bladder		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 378	TRT#: 8	SEX: Female	DAY ON TEST: 596
	DOSE: 0.25%	DISP: Moribund Sacrifice	HISTO: 9400178

ORGAN AND ACCOUNTABLE SITE STATUS

Vagina	Polyp
[Polyp TGLS = 2-11: Polyp]	

PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Vagina	Polyp

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 379

TRT#: 8

SEX: Female

DAY ON TEST: 723

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 9400179

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* 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	* Salivary Glands	* Skin	* Spleen
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Thymus

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic Active, Minimal
* Heart		Cardiomyopathy	Chronic, Mild
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 380

TRT#: 8
DOSE: 0.25%

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 477
HISTO: 9400180

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* 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	* Nose	* Ovary
* Parathyroid Gland	Peripheral Nerve	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-12: Mononuclear Cell Leukemia]		
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Pancreas		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-11: Mononuclear Cell Leukemia]		
* Pituitary Gland	Pars Distalis	Cyst	Minimal
Spinal Cord		Hemorrhage	Moderate
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-11: Mononuclear Cell Leukemia]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:30

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 381

TRT#: 8

SEX: Female

DAY ON TEST: 723

DOSE: 0.25%

DISP: Natural Death

HISTO: 9400181

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
* 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	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Cyst	Moderate
* Heart		Cardiomyopathy	Chronic, Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-4+5: Mononuclear Cell Leukemia]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Mild
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Marked
	[Necrosis TGLS = 2,3-11+12: Necrosis, Fat, Marked]		
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
	[Adenoma TGLS = 5-7: Adenoma, Pars Distalis]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]		
* Stomach, Forestomach		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 381

TRT#: 8

SEX: Female

DAY ON TEST: 723

DOSE: 0.25%

DISP: Natural Death

HISTO: 9400181

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 382

TRT#: 8

SEX: Female

DAY ON TEST: 718

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400182

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Carcinoma	Metastatic (Pituitary Gland)
* Heart		Cardiomyopathy	Chronic, Mild
		Leukemia Mononuclear	
		Schwannoma Malignant	
	[Schwannoma Malignant TGLS = 5-5: Schwannoma, Malignant]		
* Intestine Small, Duodenum		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
	[Leukemia Mononuclear TGLS = 3,4,7-11+12+13: Mononuclear Cell Leukemia]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
	[Leukemia Mononuclear TGLS = 12-15: Mononuclear Cell Leukemia]		
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:30

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 382

TRT#: 8

SEX: Female

DAY ON TEST: 718

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400182

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL#8-12: Enlarged Hepatic Lymph Node, Documented At Necropsy, Is Enlarged Pancreatic Lymph Node Histopathologically.

[Leukemia Mononuclear TGLS = 8-12: Mononuclear Cell Leukemia, Pancreatic]

* Lymph Node, Mandibular

Leukemia Mononuclear

* Lymph Node, Mesenteric

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 10-13: Mononuclear Cell leukemia]

* Mammary Gland

Hyperplasia

Cystic, Mild

Mesentery

Fat

Leukemia Mononuclear

Fat

Necrosis

Marked

[Necrosis TGLS = 2-11: Necrosis, Fat, Marked]

* Nose

Nasolacrim Dct

Inflammation

Suppurative, Mild

Inflammation

Chronic Active, Mild

* Ovary

Leukemia Mononuclear

* Pancreas

Leukemia Mononuclear

* Pituitary Gland

Pars Distalis

Carcinoma

[Carcinoma TGLS = 6-7]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 1-11: Mononuclear Cell Leukemia]

* Stomach, Glandular

Epithelium

Erosion

Marked

Leukemia Mononuclear

[Erosion TGLS = 11-14: Erosion, Epithelium, Marked]

* Uterus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:30

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 383

TRT#: 8

SEX: Female

DAY ON TEST: 724

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 9400183

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	* 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		Hyperplasia	Minimal
		Hypertrophy	Mild
		Cyst	Moderate
* Clitoral Gland			
[Cyst TGLS = 2-10: Cyst, Moderate]			
* Kidney		Nephropathy	Chronic, Mild
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic, Mild
		Pigmentation	Hemosiderin, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
[Eosinophilic Focus TGLS = 1-11: Eosinophilic Focus]			
[Hypertrophy TGLS = 1-11: Hypertrophy, Hepatocyte, Centrilobular, Moderate]			
[Vacuolization Cytoplasmic TGLS = 1-11: Vacuolization Cytoplasm, Hepatocyte, Mild]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Mild
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-10: Stromal Polyp]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 384

TRT#: 8

SEX: Female

DAY ON TEST: 702

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400184

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* 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

* Heart		Cardiomyopathy	Chronic, Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Chronic, Minimal
* Liver	Centrilobular, Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic, Mild
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
	[Fibroadenoma TGLS = 1-11: Fibroadenoma]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]		

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma
CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 385

TRT#: 8

SEX: Female

DAY ON TEST: 724

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 9400185

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

* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
	Hepatocyte	Inflammation	Chronic, Mild
* Lung	Alveolus	Vacuolization Cytoplasmic	Moderate
* Mammary Gland		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Atrophy	Minimal
		Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 386

TRT#: 8

SEX: Female

DAY ON TEST: 674

DOSE: 0.25%

DISP: Natural Death

HISTO: 9400186

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Brain	* Esophagus	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
Skeletal Muscle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea		

MISSING

* Intestine Large, Cecum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric
* Ovary	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone		Osteopetrosis	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Hyperplasia	Mild
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-4+5: Mononuclear Cell Leukemia]	Vacuolization Cytoplasmic	Moderate
* Lung		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
Mesentery			
Note: Mammary Gland On Slide #04			
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-7: Adenoma, Pars Distalis]		
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 386

TRT#: 8

SEX: Female

DAY ON TEST: 674

DOSE: 0.25%

DISP: Natural Death

HISTO: 9400186

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 387

TRT#: 8

SEX: Female

DAY ON TEST: 723

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 9400187

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Ovary
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Uterus		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Inflammation	Chronic Active, Mild
* Heart		Cardiomyopathy	Chronic, Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic, Moderate
		Leukemia Mononuclear	
	Hepatocyte	Necrosis	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Moderate

[Eosinophilic Focus TGLS = 5-4+5+13: Eosinophilic Focus]
 [Hypertrophy TGLS = 5-4+5+13: Hypertrophy, Hepatocyte, Centrilob, Moderate]
 [Inflammation TGLS = 5-4+5+13: Inflammation, Chronic, Moderate]
 [Leukemia Mononuclear TGLS = 5-4+5+13: Mononuclear Cell Leukemia]
 [Vacuolization Cytoplasmic TGLS = 5-4+5+13: Vacuoliz, Cytoplasm, Hepatocyte, Moderate]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 387

TRT#: 8

SEX: Female

DAY ON TEST: 723

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 9400187

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-14: Mononuclear Cell Leukemia, Hepatic]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-7: Adenoma, Pars Distalis]			
* Skin	Subcut Tiss	Fibrosarcoma	
[Fibrosarcoma TGLS = 1-12: Fibrosarcoma, Subcutaneous Tissue]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3,4-1+11: Mononuclear Cell leukemia]			
* Thymus		Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 388

TRT#: 8

SEX: Female

DAY ON TEST: 724

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 9400188

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	* 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

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hypertrophy	Marked
		Hyperplasia	Mild
* Clitoral Gland			
[Hyperplasia TGLS = 2-10: Hyperplasia, Mild]			
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic, Mild
		Mixed Cell Focus	
		Pigmentation	Hemosiderin, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
[Hypertrophy TGLS = 1-11:Hypertrophy,Hepatocyte,Centrilobular,Moderate]			
[Vacuolization Cytoplasmic TGLS = 1-11:Vacuolization Cytoplasm,Hepatocyte,Mild]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Artery, Vein	Mineralization	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 389

TRT#: 8

SEX: Female

DAY ON TEST: 723

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 9400189

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* 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
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Hepatodiaphragmatic Nodule TGLS = 2-11: Hepatodiaphragmatic Nodule]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Fibroadenoma	
	Note: TGL#1-11: Mammary Gld Mass, Documented At Necropsy, Is Subcutaneous Fibroma Histopathologically.		
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLS = 1-11: Fibroma, Subcutaneous Tissue]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 390

TRT#: 8

SEX: Female

DAY ON TEST: 723

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 9400190

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* 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	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Mild
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
	Hepatocyte	Inflammation	Chronic, Mild
		Vacuolization Cytoplasmic	Mild
	[Hypertrophy TGLS = 1-4+5:Hypertrophy,Hepatocyte,Centrilob,Moderate]		
	[Vacuolization Cytoplasmic TGLS = 1-4+5:Vacuolization Cytoplasm,Hepatocyte,Mild]		
* Lung	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:30

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 391

TRT#: 8

SEX: Female

DAY ON TEST: 702

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400191

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* 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	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Nephropathy	Chronic, Minimal
		Angiectasis	Mild
	Bile Duct	Eosinophilic Focus	
		Hyperplasia	Mild
		Inflammation	Chronic, Mild
	Hepatocyte	Leukemia Mononuclear	
* Lung	Alveolus	Vacuolization Cytoplasmic	Moderate
		Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Leukemia Mononuclear	
* Mammary Gland		Mineralization	Minimal
		Hyperplasia	Cystic, Mild
Note: TGL#1-12: Right Thoracic Mammary Gld Mass, Documented At Necropsy, Is A Subcutaneous Fibrosarcoma Histopathologically.			
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 4-11: Necrosis, Fat, Marked]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 3-7: Hyperplasia, Pars Distalis, Moderate]			
* Skin	Subcut Tiss	Fibrosarcoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 391

TRT#: 8

SEX: Female

DAY ON TEST: 702

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400191

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosarcoma TGLS = 1-12: Fibrosarcoma, Subcutaneous Tissue]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Skin Subcut Tiss Fibrosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 392

TRT#: 8

SEX: Female

DAY ON TEST: 543

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400192

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
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Kidney		Mineralization	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
	Hepatocyte	Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
	[Leukemia Mononuclear TGLS = 3-4+5: Mononuclear Cell Leukemia]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-11: Fibroadenoma]		
* Pituitary Gland	Pars Distalis	Cyst	Mild
	Pars Distalis	Hyperplasia	Moderate
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]		

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 393

TRT#: 8

SEX: Female

DAY ON TEST: 724

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 9400193

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* 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

* Clitoral Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-10: Hyperplasia, Moderate]			
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Perivascular	Infiltration Cellular	Lymphocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
[Fibroadenoma TGLS = 2-11: Fibroadenoma]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Mild
[Adenoma TGLS = 3-7: Adenoma, Pars Distalis]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Primidone (primaclone)

CAS Number: 125-33-7

Date Report Requested: 10/19/2014

Time Report Requested: 08:31:30

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 394

TRT#: 8

SEX: Female

DAY ON TEST: 723

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 9400194

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| Blood Vessel | * Bone | * Brain | * Esophagus |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Nose |
| * Ovary | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|--|---------------------------|---------------------------|-------------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Clitoral Gland | | Hyperplasia | Moderate |
| [Hyperplasia TGLS = 1-10: Hyperplasia, Moderate] | | | |
| * Heart | | Cardiomyopathy | Chronic, Mild |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Chronic, Mild |
| * Liver | | Eosinophilic Focus | |
| | Bile Duct | Hyperplasia | Moderate |
| | Centrilobular, Hepatocyte | Hypertrophy | Moderate |
| | | Leukemia Mononuclear | |
| | | Pigmentation | Hemosiderin, Mild |
| | Hepatocyte | Vacuolization Cytoplasmic | Mild |
| [Leukemia Mononuclear TGLS = 3-4+5: Mononuclear Cell leukemia] | | | |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| | | Leukemia Mononuclear | |
| | Artery, Vein | Mineralization | Minimal |
| Lymph Node | Inguinal | Leukemia Mononuclear | |
| | Mediastinal | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 394

TRT#: 8

SEX: Female

DAY ON TEST: 723

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 9400194

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric

Leukemia Mononuclear

* Mammary Gland

Hyperplasia

Cystic, Mild

* Pancreas

Acinus

Atrophy

Minimal

* Pituitary Gland

Pars Distalis

Adenoma

Pars Distalis

Cyst

Mild

[Adenoma TGLS = 4-7: Adenoma, Pars Distalis]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2-1: Mononuclear Cell Leukemia]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 395

TRT#: 8

SEX: Female

DAY ON TEST: 724

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 9400195

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Cyst	Marked
		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
[Cyst TGLS = 2-1: Cyst, Marked]			
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
	Hepatocyte	Leukemia Mononuclear	
[Hypertrophy TGLS = 3-11:Hypertrophy,Hepatocyte,Centrilob,Moderate]		Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 395	TRT#: 8 DOSE: 0.25%	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 724 HISTO: 9400195
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ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Spleen		Leukemia Mononuclear	

[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 396

TRT#: 8

SEX: Female

DAY ON TEST: 723

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 9400196

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	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Mild
* Liver		Angiectasis	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Minimal
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
	[Fibroadenoma TGLS = 1-11: Fibroadenoma]		
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Ovary		Cyst	Mild
	[Cyst TGLS = 4-10: Cyst, Mild]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Moderate
	[Adenoma TGLS = 3-7: Adenoma, Pars Distalis]		
* Uterus		Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLS = 2-10: Hyperplasia, Cystic, Moderate]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 396

TRT#: 8

SEX: Female

DAY ON TEST: 723

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 9400196

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 397

TRT#: 8

SEX: Female

DAY ON TEST: 605

DOSE: 0.25%

DISP: Moribund Sacrifice

HISTO: 9400197

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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	* Nose	* Pancreas	* Salivary Glands
Spinal Cord	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-4+5: Mononuclear Cell Leukemia]	Vacuolization Cytoplasmic	Moderate
* Lung		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-4: Mononuclear Cell Leukemia]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Ovary		Leukemia Mononuclear	
* Parathyroid Gland			
	Note: TGL:6-4: Pancreatic Nodule, Noted At Trim, Is Enlarged Pancreatic Lymph Node Histopathologically.		
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 397	TRT#: 8	SEX: Female	DAY ON TEST: 605
	DOSE: 0.25%	DISP: Moribund Sacrifice	HISTO: 9400197

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
[Cyst TGLS = 4-7: Cyst, Pars Distalis, Moderate]			
Skeletal Muscle		Hemorrhage	Acute, Moderate
[Hemorrhage TGLS = 5-12: Hemorrhage, Acute, Moderate]			
* Skin	Subcut Tiss	Hemorrhage	Acute, Marked
[Hemorrhage TGLS = 3-11: Hemorrhage, Acute, Marked, Subcutaneous Tis]			
Spinal Cord			
Note: Spinal cord hemorrhage, noted at necropsy, is acute hemorrhage of skeletal muscle surrounding vertebra.			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-1: Mononuclear Cell Leukemia]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
	Epithelium	Inflammation	Chronic Active, Mild
	Epithelium	Ulcer	Mild
[Ulcer TGLS = 7-11: Ulcer, Epithelium, Mild]			
* Stomach, Glandular	Epithelium	Ulcer	Marked
[Ulcer TGLS = 7-11: Ulcer, Epithelium, Marked]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: TGL 3, vaginal cyst at gross, is subcutaneous hemorrhage microscopically (slide 11).

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 398

TRT#: 8

SEX: Female

DAY ON TEST: 723

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 9400198

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* 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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Chronic, Minimal
* Intestine Small, Ileum		Inflammation	Chronic Active, Moderate
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic, Mild
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
[Eosinophilic Focus TGLS = 4-11: Eosinophilic Focus]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
	Artery, Vein	Mineralization	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Cyst	Minimal
	Pars Distalis	Hyperplasia	Mild
* Uterus		Sarcoma Stromal	
[Sarcoma Stromal TGLS = 1-12: Stromal Sarcoma]			
Vagina		Polyp	
[Polyp TGLS = 2-11: Polyp]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 399

TRT#: 8

SEX: Female

DAY ON TEST: 489

DOSE: 0.25%

DISP: Natural Death

HISTO: 9400199

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
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Kidney		Mineralization	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Centrilobular, Hepatocyte	Hypertrophy	Mild
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
[Hepatodiaphragmatic Nodule TGLS = 3-12: Hepatodiaphragmatic Nodule]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Artery, Vein	Mineralization	Minimal
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-4: Mononuclear Cell Leukemia]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11: Fibroadenoma]			
* Spleen		Leukemia Mononuclear	
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-13: Stromal Polyp]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88035-05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Primidone (primaclone)
CAS Number: 125-33-7

Date Report Requested: 10/19/2014
Time Report Requested: 08:31:30
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 400

TRT#: 8

SEX: Female

DAY ON TEST: 722

DOSE: 0.25%

DISP: Terminal Sacrifice

HISTO: 9400200

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* 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
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Minimal
	Centrilobular, Hepatocyte	Hypertrophy	Moderate
		Inflammation	Chronic, Mild
		Pigmentation	Hemosiderin, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
	Artery, Vein	Mineralization	Minimal
* Nose		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Cyst	Minimal

PRIMARY CAUSE OF DEATH

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**** END OF REPORT ****

* PROTOCOL REQUIRED TISSUE