

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

C Number:	C61074B
Lock Date:	Not Entered.
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	08/30/1991

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 1	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Moribund	DAY ON TEST: 543 HISTO: 880673
---------------------	--------------------------------------	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	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	Mammary Gland	Nose	Parathyroid Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-2]			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 5-9			
Note: [LEUKEMIA MONUC] TGLs = 7-3			
[Leukemia Mononuclear TGLS = 4-8]			
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Preputial Gland		Inflammation	Chronic, Minimal
Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
Note: [FIBROSIS] TGLs = 2-3			
[Fibrosis TGLS = 3-3]			
Testes	Seminif Tub	Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:47

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 1

TRT#: 1

SEX: Male

DAY ON TEST: 543

DOSE: 0 PPM

DISP: Moribund

HISTO: 880673

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [ATROPHY] TGLs = 1-7
Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 2	TRT#: 1	SEX: Male	DAY ON TEST: 708
	DOSE: 0 PPM	DISP: Moribund	HISTO: 880670

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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
Pituitary Gland	Preputial Gland	Prostate	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Blood		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 1-13			
Bone Marrow		Leukemia Mononuclear	
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Mild
Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: [FATTY CHANGE] TGLs = 4-6			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 6-3			
[Leukemia Mononuclear TGLS = 5-8]			
Nose		Inflammation	Chronic, Mild
Seminal Vesicle		Atrophy	Mild
Spleen		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 3-3,7-3.1			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 2-7,8-7			
Thymus		Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 2	TRT#: 1	SEX: Male	DAY ON TEST: 708
	DOSE: 0 PPM	DISP: Moribund	HISTO: 880670

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 3	TRT#: 1	SEX: Male	DAY ON TEST: 543
	DOSE: 0 PPM	DISP: Moribund	HISTO: 880672

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	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	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea

MISSING

Mammary Gland

OBSERVATIONS

Blood		Leukemia Mononuclear	
Bone Marrow		Hyperplasia	Moderate
Epididymis		Mesothelioma Nos	
Note: [MESOTHELIO NOS] TGLs = 3-7.1,13-7.1			
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 9-6			
Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-2]			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-9]			
[Leukemia Mononuclear TGLS = 10-3]			
Mesentery		Mesothelioma Benign	
Note: [MESOTHELIO BGN] TGLs = 4-14,8-14			
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Chronic, Mild
Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 3	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Moribund	DAY ON TEST: 543 HISTO: 880672
---------------------	--------------------------------------	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [LEUKEMIA MONUC] TGLs = 6-3.1

Testes	Seminif Tub Interstit Cell	Atrophy Hyperplasia Mesothelioma Nos	Marked Mild
--------	-------------------------------	--	----------------

Note: [ATROPHY] TGLs = 2-6

Urinary Bladder

Calculus Micro Observation Only

Note: [CALCUS MIC OBS] TGLs = 12-9

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 4	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Dead	DAY ON TEST: 673 HISTO: 880671
---------------------	--------------------------------------	---------------------------------------	---

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	Esophagus	Mammary Gland	Parathyroid Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Thyroid Gland	Trachea

MISSING

Pituitary Gland

AUTO PRECLUDES DIAG.

Bone Marrow	Eye	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Pancreas	Stomach - Glandular	Urinary Bladder

OBSERVATIONS

Heart Note: [DILATATION] TGLs = 9-6.1	Dilatation	Marked
Kidney [Nephropathy TGLS = 3-4]	Leukemia Mononuclear Nephropathy	Mild
Liver Note: [LEUKEMIA MONUC] TGLs = 4-6	Leukemia Mononuclear	
Lung [Leukemia Mononuclear TGLS = 5-2]	Leukemia Mononuclear	
Lymph Node Mandibular Mesenteric Note: [LEUKEMIA MONUC] TGLs = 6-8.1 Note: [LEUKEMIA MONUC] TGLs = 1-9.1	Leukemia Mononuclear Leukemia Mononuclear	
Nose	Fungus Inflammation	Marked Acute, Marked
Saliv Glands Note: LARGE SALIVARY GLAND REALLY LARGE LYMPH NODES		
Spleen	Infarct Leukemia Mononuclear	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 4	TRT#: 1	SEX: Male	DAY ON TEST: 673
	DOSE: 0 PPM	DISP: Dead	HISTO: 880671

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [INFARCT] TGLs = 10-3.1

[Leukemia Mononuclear TGLS = 2-3.1]

Testes	Bilateral, Interstit Cell	Adenoma
Thymus		Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 7-3]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 5	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO: 880669
---------------------	--------------------------------------	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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
Preputial Gland	Prostate	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
Nose		Inflammation	Chronic, Mild
Seminal Vesicle		Atrophy	Moderate
Spleen		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	

Note: [ADENOMA] TGLs = 2+1-7

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 6	TRT#: 1	SEX: Male	DAY ON TEST: 734
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 880675

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Mammary Gland
Nose	Parathyroid Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder		

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Blood		Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Eye		Cataract	Mild
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Hyperplasia	Marked
Kidney		Nephropathy	Marked
Note: [NEPHROPATHY] TGLs = 4-4			
Liver	Bile Duct	Hyperplasia	Marked
Note: [LEUKEMIA MONUC] TGLs = 5-6		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 6-3.1			
Note: TISSUE SUBMITTED AS MESENTERIC LN IS CA OF PANCREAS			
Note: [LEUKEMIA MONUC] TGLs = 1-9			
Pancreas	Acinus	Adenocarcinoma	
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 7-8			
Preputial Gland		Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 6	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 734 HISTO: 880675
---------------------	--------------------------------------	---	---

ORGAN AND ACCOUNTABLE SITE STATUS			
Spleen		Fibrosis Leukemia Mononuclear	Mild
Note: [LEUKEMIA MONUC] TGLs = 3-3			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 9-7			
Thymus		Leukemia Mononuclear	
Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH	-
-------------------------------	---

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:47

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 7	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO: 880674
---------------------	--------------------------------------	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	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	Parathyroid Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Blood		Leukemia Mononuclear	
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 2-6			
Lung		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Marked
Note: [NECROSIS] TGLs = 4-13			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 3-8			
Preputial Gland		Inflammation	Chronic, Minimal
Spleen		Leukemia Mononuclear	
Testes	Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 1-7			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 8	TRT#: 1	SEX: Male	DAY ON TEST: 683
	DOSE: 0 PPM	DISP: Moribund	HISTO: 880678

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Parathyroid Gland	Preputial Gland	Prostate	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Moderate
Blood		Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Heart		Cardiomyopathy	Mild
Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
Note: [LEUKEMIA MONUC] TGLs = 3-4			
Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
Note: [FATTY CHANGE] TGLs = 4-6			
Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-2+3]			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 6-8			
Note: [LEUKEMIA MONUC] TGLs = 1-9.1			
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 7-8			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 8	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Moribund	DAY ON TEST: 683 HISTO: 880678
---------------------	--------------------------------------	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

Seminal Vesicle	Inflammation	Acute, Mild
Spleen	Fibrosis	Moderate
	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 8-3.1		
Note: [FIBROSIS] TGLs = 2-3.1		
Thymus	Leukemia Mononuclear	
Urinary Bladder	Leiomyoma	Two
Note: [LEIOMYOMA] TGLs = 9-9		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:47

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 9	TRT#: 1	SEX: Male	DAY ON TEST: 687
	DOSE: 0 PPM	DISP: Dead	HISTO: 880677

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	Esophagus	Mammary Gland	Nose
Parathyroid Gland	Pituitary Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	

MISSING

Islets, Pancreatic	Pancreas
--------------------	----------

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Urinary Bladder	

OBSERVATIONS

Bone Marrow		Leukemia Mononuclear	
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-2]			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 7-9.1			
Note: [LEUKEMIA MONUC] TGLs = 4-8.1			
Spleen		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 1-3.1,6-3.1			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 2-7,3-7			
Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 708

DOSE: 0 PPM

DISP: Moribund

HISTO: 880676

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Mammary Gland	Nose
Parathyroid Gland	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
	Cortex	Vacuolization Cytoplasmic	Focal, Moderate
Note: [VACUOLIZ CYTO] TGLs = 5-8			
Blood		Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 8-6			
Lung		Leukemia Mononuclear	
Lymph Node	Lumbar	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 9-3			
Note: [LEUKEMIA MONUC] TGLs = 3-8.1			
[Leukemia Mononuclear TGLs = 7-14]			
[Leukemia Mononuclear TGLs = 6-15]			
[Leukemia Mononuclear TGLs = 1-9.1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 10	TRT#: 1	SEX: Male	DAY ON TEST: 708
	DOSE: 0 PPM	DISP: Moribund	HISTO: 880676

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4-9]

Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Fibrosis	Moderate
		Infarct	Marked
		Leukemia Mononuclear	

Note: [LEUKEMIA MONUC] TGLs = 2-3.1

Note: [INFARCT] TGLs = 10-3.1

Testes	Interstitial Cell	Adenoma	
Note: [ADENOMA] TGLs = 11-7			
Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:47

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 453

DOSE: 0 PPM

DISP: Interval Sacrifice

HISTO: 870982

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite Metazoan	Minimal
	Rectum	Parasite Metazoan	Marked
Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Minimal
Lymph Node	Mandibular	Congestion	Minimal
Note: CONGESTION	TGLs = 1-9		
Nose		Inflammation	Chronic, Focal, Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 12	TRT#: 1	SEX: Male	DAY ON TEST: 733
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 880680

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Liver	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Pancreas
Parathyroid Gland	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Islets, Pancreatic		Hyperplasia	Marked
Kidney		Nephropathy	Marked
[Nephropathy TGLS = 1-4]			
Nose		Fungus	Moderate
		Inflammation	Acute, Moderate
		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Carcinoma	
Note: [CARCINOMA] TGLs = 2-8			
Stomach	Forestomach	Ulcer	Marked
Note: [ULCER] TGLs = 3-5			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 13	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Interval Sacrifice	DAY ON TEST: 452 HISTO: 870973
----------------------	--------------------------------------	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Kidney		Nephropathy	Minimal
Liver		Cytoplasmic Alteration	Focal, Mild
	Bile Duct	Hyperplasia	Minimal
Note: CYTOPLAS ALTER TGLs = 2-3 4-3			
Lymph Node	Mandibular	Congestion	Mild
Note: CONGESTION TGLs = 6-9			
Mammary Gland		Lactation	Minimal
Pancreas	Acinus	Atrophy	Focal, Mild
Stomach	Glandular	Inflammation	Chronic, Focal, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 5-6			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 14 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 736
DOSE: 0 PPM **DISP:** Terminal Sacrifice **HISTO:** 880679

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood	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	Parathyroid Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Spleen
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Marked
Liver		Granuloma	Minimal
	Bile Duct	Hyperplasia	Mild
Nose		Fungus	Marked
		Inflammation	Acute, Moderate
		Inflammation	Chronic, Moderate
Note: [FUNGUS] TGLs = 4-12			
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 3-8			
Skin		Fibrosis	Moderate
Note: [FIBROSIS] TGLs = 1-13			
Stomach	Forestomach	Ulcer	Marked
Note: [ULCER] TGLs = 2-5			
Testes	Seminif Tub	Atrophy	Marked
	Artery	Inflammation	Chronic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:47

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 452

DOSE: 0 PPM

DISP: Interval Sacrifice

HISTO: 870974

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Intestine Large	Rectum	Parasite Metazoan	Marked
Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
Nose		Inflammation	Chronic, Focal, Mild
Pancreas	Acinus	Atrophy	Focal, Minimal
Pituitary Gland	Pars Distalis	Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 16	TRT#: 1	SEX: Male	DAY ON TEST: 736
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 880683

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood	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
Preputial Gland	Prostate	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Mild
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 2-8			
Seminal Vesicle		Atrophy	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 691

DOSE: 0 PPM

DISP: Moribund

HISTO: 880682

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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
Parathyroid Gland	Preputial Gland	Prostate	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Congestion	Mild
	Medulla	Pheochromocytoma Benign	
Note: [CONGESTION] TGLs = 3-8			
Blood		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 1-13			
Bone Marrow		Leukemia Mononuclear	
Brain		Hemorrhage	Focal, Marked
Note: [HEMORRHAGE] TGLs = 6+7+8-1			
Heart		Leukemia Mononuclear	
Kidney		Nephropathy	Moderate
Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 5-6			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 10-8.1			
Note: [LEUKEMIA MONUC] TGLs = 2-9			
Nose		Fungus	Marked
		Inflammation	Chronic, Mild
		Inflammation	Acute, Marked
Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 17	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Moribund	DAY ON TEST: 691 HISTO: 880682
----------------------	--------------------------------------	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

Seminal Vesicle		Atrophy	Mild
Spleen		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 4-3.1			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 9-7			
Thymus		Leukemia Mononuclear	
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:47

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 681

DOSE: 0 PPM

DISP: Dead

HISTO: 880681

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Epididymis
Esophagus	Intestine Small - Duodenum	Islets, Pancreatic	Pancreas
Parathyroid Gland	Preputial Gland	Prostate	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea			

MISSING

Mammary Gland

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Ileum	Intestine Small - Jejunum
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: [FATTY CHANGE] TGLs = 4-6			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 5-3 [Leukemia Mononuclear TGLS = 3-8.1]			
Nose		Fungus	Marked
		Inflammation	Acute, Marked
Pituitary Gland	Pars Distalis	Hemorrhage	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 18	TRT#: 1	SEX: Male	DAY ON TEST: 681
	DOSE: 0 PPM	DISP: Dead	HISTO: 880681

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [HEMORRHAGE] TGLs = 6-8			
Seminal Vesicle		Atrophy	Moderate
Spleen		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 2-3.1			
Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Marked
Note: [ATROPHY] TGLs = 1-7			
Thymus		Leukemia Mononuclear	
Tongue		Hyperkeratosis	Mild
Note: [HYPERKERATOSIS] TGLs = 7-13			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 701

DOSE: 0 PPM

DISP: Moribund

HISTO: 880684

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Epididymis
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Mammary Gland	Parathyroid Gland
Pituitary Gland	Preputial Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Prostate

OBSERVATIONS

Bone Marrow		Leukemia Mononuclear	
Brain		Hemorrhage	Focal, Marked
Note: [HEMORRHAGE] TGLs = 7-1+1.1			
Kidney		Nephropathy	Mild
Liver		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 9-6			
Lung		Leukemia Mononuclear	
Lymph Node	Iliac	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 2-9.1			
Note: [LEUKEMIA MONUC] TGLs = 4-8.1			
Note: [LEUKEMIA MONUC] TGLs = 5-13			
Nose		Fungus	Moderate
		Inflammation	Chronic, Mild
		Inflammation	Acute, Moderate
Pancreas	Acinus	Atrophy	Minimal
Seminal Vesicle		Atrophy	Moderate
Spleen		Infarct	Marked
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 19	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Moribund	DAY ON TEST: 701 HISTO: 880684
----------------------	--------------------------------------	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [INFARCT] TGLs = 6-3.1

Note: [LEUKEMIA MONUC] TGLs = 1-3.1

Testes

Interstit Cell

Adenoma

Seminif Tub

Atrophy

Marked

Note: [ADENOMA] TGLs = 8-7

Note: [ATROPHY] TGLs = 3-7

Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:47

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 453

DOSE: 0 PPM

DISP: Interval Sacrifice

HISTO: 870975

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Cecum
Intestine Small - Jejunum
Lung
Pancreas
Salivary Glands
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Epididymis
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Parathyroid Gland
Seminal Vesicle
Thymus

Bone
Esophagus
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Preputial Gland
Spleen
Thyroid Gland

Bone Marrow
Heart
Intestine Small - Ileum
Liver
Mammary Gland
Prostate
Stomach - Forestomach
Trachea

OBSERVATIONS

Intestine Large
Nose
Pituitary Gland
Skin
 Note: CYST EPITH INC TGLs = 1-13
Testes
 Note: ADENOMA TGLs = 3-6

Colon

Pars Distalis

Interstit Cell

Parasite Metazoan
Inflammation
Hyperplasia
Cyst Epithelial Inclusion

Adenoma

Moderate
Chronic, Focal, Mild
Focal, Minimal

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 21

TRT#: 1
DOSE: 0 PPM

SEX: Male
DISP: Dead

DAY ON TEST: 722
HISTO: 880687

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	Esophagus	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Pancreas	Parathyroid Gland	Preputial Gland
Prostate	Salivary Glands	Stomach - Glandular	Thymus
Thyroid Gland	Trachea		

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Small - Ileum	Intestine Small - Jejunum	Kidney
Urinary Bladder			

OBSERVATIONS

Bone Marrow		Hyperplasia	Marked
Heart		Cardiomyopathy	Moderate
Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 3-6			
Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-2]			
Nose		Fungus	Marked
		Inflammation	Acute, Mild
		Inflammation	Chronic, Minimal
		Hyperplasia	Focal, Moderate
Pharynx			
Note: [HYPERPLASIA] TGLs = 7-14			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 5-8			
Seminal Vesicle		Atrophy	Mild
Skin		Hyperkeratosis	Marked
Note: [HYPERKERATOSIS] TGLs = 1-13			
Spleen		Fibrosis	Marked
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 21	TRT#: 1	SEX: Male	DAY ON TEST: 722
	DOSE: 0 PPM	DISP: Dead	HISTO: 880687

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 2-3.1]			
Stomach	Forestomach	Ulcer	Marked
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 6-7			

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:47

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 681

DOSE: 0 PPM

DISP: Moribund

HISTO: 880688

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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
Preputial Gland	Prostate	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Blood		Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Heart		Dilatation	Mild
Note: [DILATATION] TGLs = 7-6			
Kidney		Nephropathy	Mild
Note: [NEPHROPATHY] TGLs = 9-4			
Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 6-6			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 1-9			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Seminal Vesicle		Atrophy	Moderate
Note: [ATROPHY] TGLs = 4-7			
Skin		Thrombosis	
Note: [THROMBUS] TGLs = 8-13			
Spleen		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 5-3.1			
Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 22	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Moribund	DAY ON TEST: 681 HISTO: 880688
----------------------	--------------------------------------	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [ATROPHY] TGLs = 2+3-7 Thyroid Gland	Seminif Tub C Cell	Atrophy Adenoma	Marked
---	-----------------------	--------------------	--------

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:47

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 23

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 880685

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Mammary Gland	Parathyroid Gland	Preputial Gland
Prostate	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Blood		Leukemia Mononuclear	
Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Minimal
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 5-6			
Lung		Leukemia Mononuclear	
Lymph Node	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 4-9			
Note: [LEUKEMIA MONUC] TGLs = 3-8			
Nose		Inflammation	Chronic, Moderate
Pancreas	Acinus	Atrophy	Marked
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 6-8			
Seminal Vesicle		Atrophy	Moderate
Skin		Basal Cell Carcinoma	
Note: [BASAL CEL CARC] TGLs = 1-13			
Spleen		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 2-3.1			
Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 23

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 880685

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [ADENOMA] TGLs = 7-7

Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 24	TRT#: 1	SEX: Male	DAY ON TEST: 453
	DOSE: 0 PPM	DISP: Interval Sacrifice	HISTO: 870976

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Minimal
Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Minimal
Note: FATTY CHANGE	TGLs = 2-3		
Nose		Inflammation	Chronic, Focal, Minimal
Pituitary Gland	Pars Distalis	Cyst	
Stomach	Glandular	Inflammation	Chronic, Focal, Mild
Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: 0 PPM

DISP: Dead

HISTO: 880686

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	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	Mammary Gland	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Urinary Bladder			

OBSERVATIONS

Adrenal Gland Note: [PHEOCHROM MAL] TGLs = 6-8	Medulla	Pheochromocytoma Malignant	
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Fatty Change	Moderate
		Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 8-6			
Lung		Fungus	Moderate
[Fungus TGLS = 4-3.1]		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Nose		Inflammation	Chronic, Mild
		Inflammation	Acute, Moderate
Pharynx		Squamous Cell Papilloma	
Note: [SQ CL PAPILLOM] TGLs = 3-13			
Preputial Gland		Cyst	
Note: [CYST] TGLs = 1-14+14.1			
Seminal Vesicle		Atrophy	Moderate
Spleen		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: 0 PPM

DISP: Dead

HISTO: 880686

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [ADENOMA] TGLs = 2-7,5-7
Trachea

Fungus

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:47

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 880691

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	Two
Note: [PHEOCHROM BGN] TGLs = 1-8			
Blood		Leukemia Mononuclear	
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Moderate
Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Seminal Vesicle		Atrophy	Mild
Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:47

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 723

DOSE: 0 PPM

DISP: Moribund

HISTO: 880693

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mammary Gland	Pancreas	Parathyroid Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
	Medulla	Leukemia Mononuclear	
Bone Marrow		Hyperplasia	Marked
Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 4+5+7-6+6.1			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 3-9.1			
Note: [LEUKEMIA MONUC] TGLs = 6-9			
Nose		Inflammation	Chronic, Mild
Pituitary Gland		Leukemia Mononuclear	
Preputial Gland		Inflammation	Chronic, Mild
Spleen		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 2-3.1+3.2			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: [ATROPHY] TGLs = 1-7			
Thymus		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:47

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 723

DOSE: 0 PPM

DISP: Moribund

HISTO: 880693

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:47

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 880690

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Parathyroid Gland	Pituitary Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Granuloma	Minimal
	Bile Duct	Hyperplasia	Mild
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	

Note: [ADENOMA] TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:47

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 612

DOSE: 0 PPM

DISP: Moribund

HISTO: 880689

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Islets, Pancreatic		Carcinoma	
Note: [CARCINOMA] TGLs = 2-9			
Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
		Granuloma	Minimal
Thyroid Gland	C Cell	Hyperplasia	Minimal
Urinary Bladder		Ectasia	Marked
Note: [ECTASIA] TGLs = 1-9.1			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 30 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 733
DOSE: 0 PPM **DISP:** Terminal Sacrifice **HISTO:** 880692

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mesenteric	Pancreas	Parathyroid Gland
Preputial Gland	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Moderate
Blood		Leukemia Mononuclear	
Heart		Cardiomyopathy	Moderate
Intestine Large	Cecum	Parasite Metazoan	Mild
Kidney		Nephropathy	Marked
Liver	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Mild
		Leukemia Mononuclear	
Note: [HDN] TGLs = 5-6.1			
Lymph Node	Lymphatic, Mandibular	Angiectasis	Moderate
Note: [ANGIECTASIS] TGLs = 2-9			
Mammary Gland		Galactocele	
Note: [GALACTOCELE] TGLs = 1-14			
Nose		Inflammation	Chronic, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 4-8			
Prostate		Inflammation	Chronic, Marked
Note: [INFLAMMATION] TGLs = 7-7			
Seminal Vesicle		Inflammation	Acute, Moderate
Note: [INFLAMMATION] TGLs = 6-7			
Skin		Lipoma	
Note: [LIPOMA] TGLs = 3-13			
Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 30

TRT#: 1
DOSE: 0 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 733
HISTO: 880692

ORGAN AND ACCOUNTABLE SITE STATUS

Urinary Bladder

Transit Epithe

Hyperplasia
Inflammation

Mild
Acute, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:47

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 605

DOSE: 0 PPM

DISP: Moribund

HISTO: 880694

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Epididymis
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Parathyroid Gland	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

MISSING

Islets, Pancreatic	Mammary Gland	Pancreas
--------------------	---------------	----------

INSUFFICIENT TISSUE

Bone Marrow

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Malignant	
Note: [PHEOCHROM MAL] TGLs = 1-8.1			
Blood		Leukemia Mononuclear	
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
Pancreas			
Note: PANCREAS NOT RECOGNIZABLE IN TUMOR MASS			
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Marked
Spleen		Infarct	Marked
		Leukemia Mononuclear	
		Sarcoma	
[Infarct TGLS = 3-3.1+3.2]			
Stomach	Forestomach	Ulcer	Mild
Note: [ULCER] TGLs = 4-5			
Testes	Interstit Cell	Adenoma	
Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 605

DOSE: 0 PPM

DISP: Moribund

HISTO: 880694

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 880696

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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
Parathyroid Gland	Prostate	Salivary Glands	Spleen
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Thymus

INSUFFICIENT TISSUE

Bone Marrow

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Mild
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Marked
Liver		Basophilic Focus	
		Developmental Malformation	
	Serosa	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Mild
Note: [DEVELOP MALFOR] TGLs = 8-6.3			
Note: [BASOPH FOCUS] TGLs = 7-6.2			
Note: [FIBROSIS] TGLs = 5+6-6.1			
Lung	Alveolar Epith	Metaplasia	Marked
[Metaplasia TGLS = 4-2]			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Cyst	
Preputial Gland		Inflammation	Chronic, Minimal
Seminal Vesicle		Atrophy	Mild
Skin		Trichoepithelioma	
Note: [TRICHOEPITHEL] TGLs = 1-13			
Stomach	Forestomach	Acanthosis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 32

TRT#: 1
DOSE: 0 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 736
HISTO: 880696

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [ACANTHOSIS] TGLs = 9-5
Testes

Interstit Cell
Seminif Tub

Adenoma
Atrophy

Moderate

Note: [ATROPHY] TGLs = 2-7
Note: [ADENOMA] TGLs = 3-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:47

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 671

DOSE: 0 PPM

DISP: Moribund

HISTO: 880697

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Mammary Gland
Parathyroid Gland	Prostate	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Testes	Trachea	

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Moderate
	Medulla	Hyperplasia	Focal, Moderate
Note: [CYTOPLAS ALTER] TGLs = 6-8			
Blood		Leukemia Mononuclear	
Bone Marrow		Hyperplasia	Marked
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Nephropathy	Marked
[Nephropathy TGLS = 7-4]			
Liver	Bile Duct	Hyperplasia	Marked
	Hepatocyte	Hyperplasia	Focal, Moderate
		Leukemia Mononuclear	
Note: [HYPERPLASIA] TGLs = 14-6.1			
Note: [LEUKEMIA MONUC] TGLs = 8-6			
Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-2]			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-8]			
[Leukemia Mononuclear TGLS = 2-9]			
[Leukemia Mononuclear TGLS = 9-3]			
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Mild
Note: [ATROPHY] TGLs = 5-9			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 671

DOSE: 0 PPM

DISP: Moribund

HISTO: 880697

ORGAN AND ACCOUNTABLE SITE STATUS

Pituitary Gland Note: [LEUKEMIA MONUC] TGLs = 11-8		Leukemia Mononuclear	
Preputial Gland		Leukemia Mononuclear	
Seminal Vesicle		Leukemia Mononuclear	
Skin		Fibrosarcoma	
Spleen Note: [FIBROSARC] TGLs = 1-13 Note: SPLEEN NODULE IS LEUKEMIC LYMPH NODE TGL 13-3.1 Note: [FIBROSIS] TGLs = 12-3.2 [Fibrosis TGLS = 3-3.1]		Fibrosis Leukemia Mononuclear	Moderate
Thymus		Leukemia Mononuclear	
Thyroid Gland	Bilateral, C Cell	Adenoma	
Urinary Bladder		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 34	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Interval Sacrifice	DAY ON TEST: 453 HISTO: 870977
----------------------	--------------------------------------	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Pancreas
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Urinary Bladder		

MISSING

Esophagus	Parathyroid Gland	Thyroid Gland	Trachea
-----------	-------------------	---------------	---------

INSUFFICIENT TISSUE

Adrenal Gland - Medulla

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
Mammary Gland		Lactation	Minimal
Nose		Inflammation	Chronic, Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Testes	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 35

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 880695

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Parathyroid Gland	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver		Clear Cell Focus	Multiple
	Bile Duct	Hyperplasia	Mild
Note: [CLEAR CL FOCUS] TGLs = 4-6.1,3-6			
Lung	Alveolar Epith	Metaplasia	Marked
[Metaplasia TGLS = 2-2]			
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Moderate
Seminal Vesicle		Atrophy	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 655

DOSE: 0 PPM

DISP: Moribund

HISTO: 880702

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Blood		Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Heart		Cardiomyopathy	Mild
Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
Note: [LEUKEMIA MONUC] TGLs = 5-4			
Liver	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 7-6			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 8-3			
[Leukemia Mononuclear TGLS = 4-9.1]			
[Leukemia Mononuclear TGLS = 9-9]			
[Leukemia Mononuclear TGLS = 6-8.1]			
Mesentery	Fat	Necrosis	Marked
Pancreas		Leukemia Mononuclear	
Prostate		Inflammation	Acute, Mild
Seminal Vesicle		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 655

DOSE: 0 PPM

DISP: Moribund

HISTO: 880702

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen		Leukemia Mononuclear
Note: [LEUKEMIA MONUC]	TGLs = 3-3.1	
Testes	Bilateral, Interstit Cell	Adenoma
Note: [ADENOMA]	TGLs = 2+10-7	
Thymus		Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 673

DOSE: 0 PPM

DISP: Moribund

HISTO: 880701

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Parathyroid Gland	Pituitary Gland	Preputial Gland	Prostate
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Blood		Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Moderate
Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
Note: [FATTY CHANGE] TGLs = 3-6			
Lung		Leukemia Mononuclear	
	Alveolar Epith	Metaplasia	Moderate
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 1-9			
Note: [LEUKEMIA MONUC] TGLs = 2-8			
Nose		Inflammation	Chronic, Minimal
Pancreas	Acinus	Atrophy	Mild
Seminal Vesicle		Atrophy	Moderate
Spleen		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 4-3.1			
Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 673

DOSE: 0 PPM

DISP: Moribund

HISTO: 880701

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [ADENOMA] TGLs = 5-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 880698

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Intestine Large	Rectum	Parasite Metazoan	Moderate
Kidney		Nephropathy	Marked
Liver		Developmental Malformation	
	Bile Duct	Hyperplasia	Mild
Note: [DEVELOP MALFOR] TGLs = 2-6.1			
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Adenoma	
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Chronic, Mild
Spleen		Fibrosis	Moderate
[Fibrosis TGLS = 1-3]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 708

DOSE: 0 PPM

DISP: Moribund

HISTO: 880700

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Lung	Mammary Gland	Pancreas	Parathyroid Gland
Preputial Gland	Prostate	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Blood		Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Mild
Liver	Bile Duct	Fatty Change	Moderate
		Hyperplasia	Mild
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 9-6			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 1-9			
Note: [LEUKEMIA MONUC] TGLs = 7+8-13			
Note: [LEUKEMIA MONUC] TGLs = 6-9.1			
Nose		Inflammation	Chronic, Mild
Pituitary Gland		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 10-8			
Seminal Vesicle		Atrophy	Moderate
Note: [ATROPHY] TGLs = 4-7			
Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 39	TRT#: 1	SEX: Male	DAY ON TEST: 708
	DOSE: 0 PPM	DISP: Moribund	HISTO: 880700

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 5-3.1]

Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 2+3-7			
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 722

DOSE: 0 PPM

DISP: Dead

HISTO: 880699

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic
Mammary Gland	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

AUTO PRECLUDES DIAG.

Intestine Small - Ileum Kidney

OBSERVATIONS

Bone Marrow		Leukemia Mononuclear	
Heart		Cardiomyopathy	Mild
Liver		Developmental Malformation	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: [DEVELOP MALFOR] TGLs = 4-6			
Note: [LEUKEMIA MONUC] TGLs = 7-6.1			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 5-3			
[Leukemia Mononuclear TGLS = 1-9]			
[Leukemia Mononuclear TGLS = 2-8]			
Nose		Inflammation	Acute, Moderate
		Inflammation	Chronic, Mild
Preputial Gland		Inflammation	Chronic, Mild
Note: [INFLAMMATION] TGLs = 9-10			
Seminal Vesicle		Atrophy	Mild
Skin		Hyperkeratosis	Moderate
		Ulcer	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 40

TRT#: 1
DOSE: 0 PPM

SEX: Male
DISP: Dead

DAY ON TEST: 722
HISTO: 880699

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [ULCER] TGLs = 10-13

Spleen

Leukemia Mononuclear

Note: [LEUKEMIA MONUC] TGLs = 3-3.1,6-3.1

Testes

Bilateral, Interstit Cell

Adenoma

Note: [ADENOMA] TGLs = 8-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 880703

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Pituitary Gland
Prostate	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Blood		Leukemia Mononuclear	
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: [HDN] TGLs = 6-6.1			
Note: [LEUKEMIA MONUC] TGLs = 7-6+6.1			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 3-8			
Note: [LEUKEMIA MONUC] TGLs = 5-9			
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Marked
Preputial Gland		Inflammation	Chronic, Minimal
Seminal Vesicle		Atrophy	Marked
Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 4-3.1			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 41	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 734 HISTO: 880703
----------------------	--------------------------------------	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

Testes	Interstit Cell Seminif Tub	Adenoma Atrophy	Marked
Note: [ATROPHY] TGLs = 2-7			
Note: [ADENOMA] TGLs = 1-7			

PRIMARY CAUSE OF DEATH -

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 880704

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart		Cardiomyopathy	Mild
		Fibroma	
Intestine Large	Rectum	Parasite Metazoan	Moderate
Kidney		Nephropathy	Marked
Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Moderate
Note: [CLEAR CL FOCUS] TGLs = 3-6.1			
Nose		Cyst	
		Inflammation	Chronic, Mild
Note: [CYST] TGLs = 1-12			
Pituitary Gland	Pars Distalis	Adenoma	
Seminal Vesicle		Atrophy	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 2-7			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 43	TRT#: 1	SEX: Male	DAY ON TEST: 452
	DOSE: 0 PPM	DISP: Interval Sacrifice	HISTO: 870978

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Intestine Large	Rectum	Parasite Metazoan	Marked
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Mild
Lymph Node	Mandibular	Congestion	Moderate
Note: CONGESTION TGLs = 3-9			
Mesentery		Accessory Spleen	
Note: ACCESSORY SPLN TGLs = 1-3			
Nose		Fungus	Marked
		Inflammation	Chronic, Focal, Moderate
		Inflammation	Acute, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Testes	Bilateral, Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 44	TRT#: 1	SEX: Male	DAY ON TEST: 305
	DOSE: 0 PPM	DISP: Dead	HISTO: 870964

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Epididymis
Esophagus	Kidney	Lymph Node - Mandibular	Nose
Parathyroid Gland	Pituitary Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Testes	Thyroid Gland	Trachea	

AUTO PRECLUDES DIAG.

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	Stomach - Glandular	Urinary Bladder

OBSERVATIONS

Bone Marrow		Hyperplasia	Minimal
Brain		Hemorrhage	Focal, Moderate
Note: HEMORRHAGE	TGLs = 10-5,12-5		
Heart		Leukemia Mononuclear	
Liver		Leukemia Mononuclear	
		Necrosis	Focal, Moderate
Note: LEUKEMIA MONUC	TGLs = 6-3		
Note: NECROSIS	TGLs = 11-3		
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 9-1		
Lymph Node	Mediastinal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 7-2.1		
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 1-3.1		
Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 482

DOSE: 0 PPM

DISP: Dead

HISTO: 880705

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	Esophagus	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	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea

MISSING

Mammary Gland

AUTO PRECLUDES DIAG.

Urinary Bladder

INSUFFICIENT TISSUE

Bone Marrow

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Intest Small			
Note: COLOR CHANGE IN JEJUMUM AND ILEUM IS POSTMORTEM			
Intestine Large	Cecum	Parasite Metazoan	Marked
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 3-6+6.1			
Note: WHITE FOCUS MEDIAN LOBE MAY BE POSTMORTEM CHANGE			
Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-2]			
Nose		Inflammation	Chronic, Moderate
Pancreas	Acinus	Atrophy	Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3.1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 45	TRT#: 1	SEX: Male	DAY ON TEST: 482
	DOSE: 0 PPM	DISP: Dead	HISTO: 880705

ORGAN AND ACCOUNTABLE SITE STATUS

Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 1-7			
Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:47

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 701

DOSE: 0 PPM

DISP: Dead

HISTO: 880709

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Esophagus	Mammary Gland
Preputial Gland	Salivary Glands	Skin	Trachea

MISSING

Islets, Pancreatic	Lymph Node - Mesenteric	Pancreas	Seminal Vesicle
--------------------	-------------------------	----------	-----------------

AUTO PRECLUDES DIAG.

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Epididymis
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Kidney	Liver
Lymph Node - Mandibular	Parathyroid Gland	Pituitary Gland	Prostate
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Urinary Bladder		

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Lung		Leukemia Mononuclear	
Nose		Inflammation	Chronic, Mild
Testes	Bilateral, Interstit Cell	Adenoma	

Note: [ADENOMA] TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 47	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Moribund	DAY ON TEST: 565 HISTO: 880706
----------------------	--------------------------------------	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	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
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Minimal
Nose		Inflammation	Chronic, Mild
Preputial Gland		Carcinoma	
Note: [CARCINOMA] TGLs = 1-10.1			
Testes	Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 2-7			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 703

DOSE: 0 PPM

DISP: Moribund

HISTO: 880707

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Parathyroid Gland
Pituitary Gland	Preputial Gland	Prostate	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Blood		Leukemia Mononuclear	
Bone Marrow		Hyperplasia	Marked
Heart		Cardiomyopathy	Minimal
Intestine Large	Colon	Parasite Metazoan	Marked
Kidney		Cyst	
		Nephropathy	Moderate
Note: [CYST] TGLs = 7-4			
Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 9-6			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Marked
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: [INFILTRAT CELL] TGLs = 2-9			
Note: [LEUKEMIA MONUC] TGLs = 8-9			
Mammary Gland		Fibroadenoma	
Note: [FIBROADENOMA] TGLs = 1-13			
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Mild
Seminal Vesicle		Atrophy	Marked
Note: [ATROPHY] TGLs = 5-7			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 48	TRT#: 1	SEX: Male	DAY ON TEST: 703
	DOSE: 0 PPM	DISP: Moribund	HISTO: 880707

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen		Leukemia Mononuclear
Note: [LEUKEMIA MONUC] TGLs = 6-3.1		
Testes	Bilateral, Interstit Cell	Adenoma
Note: [ADENOMA] TGLs = 3+4-7		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 735

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 880708

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood	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	Mammary Gland
Parathyroid Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Marked
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 5-6			
Lymph Node	Lymphatic, Mesenteric	Angiectasis	Moderate
	Mandibular	Infiltration Cellular	Plasma Cell, Marked
Note: [ANGIECTASIS] TGLs = 6-8.1			
Note: [INFILTRAT CELL] TGLs = 1-9			
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Chronic, Mild
Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3.1]			
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: [ATROPHY] TGLs = 2-7			
Note: [ADENOMA] TGLs = 3-7			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 50	TRT#: 1	SEX: Male	DAY ON TEST: 452
	DOSE: 0 PPM	DISP: Interval Sacrifice	HISTO: 870979

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Intestine Large	Rectum	Parasite Metazoan	Mild
Liver		Congestion	Minimal
Note: CONGESTION TGLs = 2-3			
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 1-8.1			
Pancreas	Acinus	Atrophy	Focal, Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Marked

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 51

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 880712

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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	Preputial Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Moderate
	Medulla	Hyperplasia	Focal, Two, Marked
Bone Marrow		Myelofibrosis	Mild
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Hyperplasia	Moderate
Kidney		Mineralization	Mild
		Nephropathy	Marked
Note: [NEPHROPATHY] TGLs = 2-4			
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
Lung	Alveolar Epith	Metaplasia	Mild
[Metaplasia TGLS = 4-2]			
Nose		Inflammation	Chronic, Moderate
		Inflammation	Acute, Mild
Pancreas	Acinus	Adenoma	
	Acinus	Atrophy	Mild
Parathyroid Gland		Hyperplasia	Marked
Note: [HYPERPLASIA] TGLs = 6-8			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 3-8			
Prostate		Abscess	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:47

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 51

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 880712

ORGAN AND ACCOUNTABLE SITE STATUS

Seminal Vesicle

Atrophy

Marked

Stomach

Glandular

Mineralization

Mild

Testes

Interstit Cell

Adenoma

Artery

Inflammation

Chronic, Marked

Note: [INFLAMMATION] TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 52

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 880713

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Intestine Large - Cecum
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	Preputial Gland
Prostate	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite Metazoan	Mild
	Rectum	Parasite Metazoan	Marked
Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Minimal
Nose		Inflammation	Chronic, Moderate
Seminal Vesicle		Atrophy	Marked
Testes	Bilateral, Interstit Cell	Adenoma	

Note: [ADENOMA] TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:47

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 53

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 880711

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Lung	Lymph Node - Mandibular
Preputial Gland	Prostate	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland

OBSERVATIONS

Heart		Cardiomyopathy	Moderate
Islets, Pancreatic		Carcinoma	
Note: [CARCINOMA] TGLs = 2-9			
Kidney		Nephropathy	Moderate
Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Moderate
Lymph Node	Lymphatic, Mesenteric	Angiectasis	Moderate
Note: [ANGIECTASIS] TGLs = 1-8			
Mammary Gland		Fibroadenoma	
Nose		Fungus	Mild
		Inflammation	Chronic, Moderate
		Inflammation	Acute, Mild
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Seminal Vesicle		Atrophy	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 3-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:47

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 54

TRT#: 1

SEX: Male

DAY ON TEST: 453

DOSE: 0 PPM

DISP: Interval Sacrifice

HISTO: 870980

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Minimal
Nose		Inflammation	Chronic, Focal, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
Preputial Gland		Inflammation	Chronic, Focal, Mild
Note: INFLAMMATION TGLs = 1-10			
Testes	Bilateral, Interstit Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 55

TRT#: 1

SEX: Male

DAY ON TEST: 712

DOSE: 0 PPM

DISP: Dead

HISTO: 880710

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Esophagus	Intestine Small - Duodenum
Islets, Pancreatic	Mammary Gland	Pancreas	Parathyroid Gland
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea

MISSING

Epididymis	Preputial Gland	Testes	Urinary Bladder
------------	-----------------	--------	-----------------

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Ileum
Intestine Small - Jejunum			

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Moderate
Bone Marrow		Leukemia Mononuclear	
Brain		Hemorrhage	Focal, Moderate
Heart		Cardiomyopathy	Moderate
Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 7-6			
Lung		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 9-2			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 8-3			
[Leukemia Mononuclear TGLS = 2-9]			
[Leukemia Mononuclear TGLS = 5-8]			
[Leukemia Mononuclear TGLS = 6-9]			
Nose		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 55

TRT#: 1

SEX: Male

DAY ON TEST: 712

DOSE: 0 PPM

DISP: Dead

HISTO: 880710

ORGAN AND ACCOUNTABLE SITE STATUS

Pituitary Gland		Leukemia Mononuclear
Prostate		Leukemia Mononuclear
Salivary Glands		Leukemia Mononuclear
Seminal Vesicle		Leukemia Mononuclear
Skin		Keratoacanthoma
Note: [KERATOACANTHMA]	TGLs = 1-13	
Spleen	Capsule	Leukemia Mononuclear
		Leukemia Mononuclear
Note: [LEUKEMIA MONUC]	TGLs = 4-3.1	
Note: [LEUKEMIA MONUC]	TGLs = 3-3.1	
Thymus		Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:47

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 56

TRT#: 1

SEX: Male

DAY ON TEST: 708

DOSE: 0 PPM

DISP: Moribund

HISTO: 880716

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Epididymis
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	Mammary Gland	Parathyroid Gland
Preputial Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Blood		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 1-13			
Bone Marrow		Hyperplasia	Marked
Brain		Hemorrhage	Focal, Minimal
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Moderate
Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 3-6			
Lung		Leukemia Mononuclear	
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 4-8			
Prostate		Hyperplasia	Focal, Mild
Seminal Vesicle		Atrophy	Marked
Spleen		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 2-3.1			
Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 56

TRT#: 1

SEX: Male

DAY ON TEST: 708

DOSE: 0 PPM

DISP: Moribund

HISTO: 880716

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 57

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 880715

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	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 - Mesenteric	Mammary Gland
Parathyroid Gland	Prostate	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Marked
Liver	Bile Duct	Hyperplasia	Mild
Lymph Node	Lymphatic, Mandibular	Angiectasis	Moderate
Nose		Inflammation	Chronic, Minimal
Pancreas	Acinus	Adenoma	
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 4-8			
Preputial Gland		Adenoma	
Note: [ADENOMA] TGLs = 1-10			
Seminal Vesicle		Atrophy	Marked
Spleen		Cyst	
[Cyst TGLS = 3-3]			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 2+5-7			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 58

TRT#: 1

SEX: Male

DAY ON TEST: 453

DOSE: 0 PPM

DISP: Interval Sacrifice

HISTO: 870981

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Intestine Large	Rectum	Parasite Metazoan	Mild
Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Minimal
Note: FATTY CHANGE TGLs = 2-3			
Lymph Node	Mandibular	Congestion	Minimal
Note: CONGESTION TGLs = 1-9			
Nose		Inflammation	Chronic, Focal, Mild
Pancreas	Acinus	Atrophy	Focal, Mild
Testes	Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 3-6.1			
Urinary Bladder		Inflammation	Chronic, Focal, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 59	TRT#: 1	SEX: Male	DAY ON TEST: 736
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 880714

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood	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
Preputial Gland	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Marked
Liver	Bile Duct	Hyperplasia	Mild
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Prostate		Hyperplasia	Focal, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 1-7			
Thyroid Gland		Cyst	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 60

TRT#: 1

SEX: Male

DAY ON TEST: 578

DOSE: 0 PPM

DISP: Moribund

HISTO: 880717

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Mammary Gland	Nose	Parathyroid Gland
Preputial Gland	Prostate	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Bone Marrow		Hyperplasia	Marked
Intestine Large	Colon	Parasite Metazoan	Moderate
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hyperplasia	Focal, Moderate
		Leukemia Mononuclear	
Note: [HYPERPLASIA] TGLs = 5-6.1 Note: [LEUKEMIA MONUC] TGLs = 2-6			
Lung		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-2]	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-3]	
Pancreas	Acinus	Atrophy	Marked
Pituitary Gland	Pars Distalis	Adenoma	
Seminal Vesicle		Atrophy	Moderate
Spleen		Leukemia Mononuclear	
		Note: [LEUKEMIA MONUC] TGLs = 1-3.1	
Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 61 **TRT#:** 3 **SEX:** Male **DAY ON TEST:** 669
DOSE: 500 PPM **DISP:** Moribund **HISTO:** 881512

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Parathyroid Gland	Prostate
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Blood		Leukemia Mononuclear	
Heart		Cardiomyopathy	Mild
	Atrium	Thrombosis	
Note: [THROMBUS] TGLs = 3-6.1			
Kidney		Nephropathy	Moderate
Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 2-6			
Lung		Leukemia Mononuclear	
Lymph Node	Lymphatic, Mediastinal	Angiectasis	Moderate
Note: [ANGIECTASIS] TGLs = 4-3			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 5-8			
Preputial Gland		Inflammation	Chronic, Mild
Seminal Vesicle		Atrophy	Marked
Spleen		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 62	TRT#: 3	SEX: Male	DAY ON TEST: 565
	DOSE: 500 PPM	DISP: Moribund	HISTO: 880718

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Kidney		Nephropathy	Mild
Liver		Granuloma	Minimal
	Bile Duct	Hyperplasia	Mild
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Marked
Note: [INFILTRAT CELL] TGLs = 5-9			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Angiectasis	Mild
Tongue		Squamous Cell Papilloma	
Note: [SQ CL PAPILLOM] TGLs = 4-13			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 63

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881511

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Blood		Leukemia Mononuclear	
Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 3-6			
Lung		Leukemia Mononuclear	
Lymph Node	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	
Note: [FIBROADENOMA] TGLs = 1-13			
Nose		Fungus	Marked
		Inflammation	Acute, Moderate
Pancreas	Acinus	Atrophy	Marked
Preputial Gland		Inflammation	Chronic, Mild
Prostate		Hyperplasia	Focal, Moderate
Seminal Vesicle		Atrophy	Moderate
Spleen		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 2-3			
Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 64	TRT#: 3	SEX: Male	DAY ON TEST: 452
	DOSE: 500 PPM	DISP: Interval Sacrifice	HISTO: 871080

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Liver	Lung	Lymph Node - Mesenteric
Pancreas	Parathyroid Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Thymus
---------------	--------

OBSERVATIONS

Heart		Cardiomyopathy	Moderate
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Minimal
Lymph Node	Mandibular	Pigmentation	Minimal
Note: PIGMENT TGLs = 2-9			
Nose		Inflammation	Chronic, Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 3-8			
Skin		Inflammation	Granulomatous, Chronic, Moderate
Note: INFLAMMATION TGLs = 1-10			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 65

TRT#: 3

SEX: Male

DAY ON TEST: 687

DOSE: 500 PPM

DISP: Moribund

HISTO: 881510

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Pancreas
Parathyroid Gland	Peripheral Nerve	Preputial Gland	Prostate
Salivary Glands	Skin	Spinal Cord	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Bone Marrow		Hyperplasia	Marked
Brain		Hemorrhage	Focal, Mild
Note: [HEMORRHAGE] TGLs = 3-1			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Note: [NEPHROPATHY] TGLs = 4-4			
Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
Note: [LEUKEMIA MONUC] TGLs = 5-6		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Seminal Vesicle		Atrophy	Marked
Spleen		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 2-3.1			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ONE TUMOR MUCH LARGER THAN THE OTHER TGL 1			
Note: [ADENOMA] TGLs = 1-7			
Thyroid Gland		Cyst Multilocular	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 66	TRT#: 3	SEX: Male	DAY ON TEST: 732
	DOSE: 500 PPM	DISP: Terminal Sacrifice	HISTO: 881514

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Intestine Large	Cecum	Parasite Metazoan	Mild
	Colon	Parasite Metazoan	Moderate
Kidney		Nephropathy	Marked
Liver	Bile Duct	Hyperplasia	Mild
Nose		Fungus	Marked
		Inflammation	Acute, Moderate
Pancreas	Acinus	Atrophy	Marked
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 1-8			
Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 67

TRT#: 3

SEX: Male

DAY ON TEST: 615

DOSE: 500 PPM

DISP: Moribund

HISTO: 881516

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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

Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Hemorrhage	Focal, Marked
Lymph Node	Lymphatic, Mesenteric Mediastinal	Angiectasis	Moderate
		Congestion	Moderate
Note: [ANGIECTASIS] TGLs = 3-8 Note: PANCREATIC LN MISSING TGL 1 Note: [CONGESTION] TGLs = 2-3			
Nose		Inflammation	Chronic, Moderate
Preputial Gland		Inflammation	Chronic, Minimal
Prostate		Hyperplasia	Focal, Minimal
Spleen		Leukemia Mononuclear	
Testes	Interstit Cell	Adenoma	
Zymbal's Gland		Carcinoma	
Note: [CARCINOMA] TGLs = 4-13, 5-14			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 68

TRT#: 3

SEX: Male

DAY ON TEST: 670

DOSE: 500 PPM

DISP: Moribund

HISTO: 881515

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Blood		Leukemia Mononuclear	
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 6-6			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 1-9			
Note: [LEUKEMIA MONUC] TGLs = 5-8			
Nose		Fungus	Moderate
		Inflammation	Acute, Moderate
Pancreas	Acinus	Atrophy	Mild
Seminal Vesicle		Atrophy	Mild
Spleen		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 4-3.1			
Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 68

TRT#: 3

SEX: Male

DAY ON TEST: 670

DOSE: 500 PPM

DISP: Moribund

HISTO: 881515

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [ADENOMA] TGLs = 3-7

Note: RT TESTIS LOOKS SMALL BECAUSE TUMOR IS SMALL

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 69

TRT#: 3

SEX: Male

DAY ON TEST: 452

DOSE: 500 PPM

DISP: Interval Sacrifice

HISTO: 871081

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Minimal
Note: FATTY CHANGE TGLs = 1-3			
Lymph Node	Mediastinal	Congestion	Minimal
Note: CONGESTION TGLs = 4-2			
Nose		Inflammation	Chronic, Focal, Mild
Preputial Gland		Inflammation	Acute, Focal, Mild
Stomach	Forestomach	Hyperkeratosis	Focal, Mild
Testes	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 70	TRT#: 3	SEX: Male	DAY ON TEST: 562
	DOSE: 500 PPM	DISP: Dead	HISTO: 881513

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	Islets, Pancreatic	Pancreas	Preputial Gland
Salivary Glands	Skin	Stomach - Forestomach	

MISSING

Esophagus	Mammary Gland	Parathyroid Gland	Thyroid Gland
Trachea			

AUTO PRECLUDES DIAG.

Bone Marrow	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Kidney
Lymph Node - Mandibular	Lymph Node - Mesenteric	Pituitary Gland	Seminal Vesicle
Spleen	Stomach - Glandular	Thymus	Urinary Bladder

OBSERVATIONS

Heart		Cardiomyopathy	Moderate
Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: [HDN] TGLs = 3-6			
Lung		Leukemia Mononuclear	
Nose		Inflammation	Acute, Moderate
		Inflammation	Chronic, Mild
Prostate		Hyperplasia	Focal, Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 1-7			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 71	TRT#: 3	SEX: Male	DAY ON TEST: 452
	DOSE: 500 PPM	DISP: Interval Sacrifice	HISTO: 871082

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Clear Cell Focus	
		Congestion	Minimal
Note: CLEAR CL FOCUS TGLs = 2-3			
Note: CONGESTION TGLs = 1-3			
Nose		Inflammation	Chronic, Focal, Mild
		Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 3-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 72

TRT#: 3

SEX: Male

DAY ON TEST: 520

DOSE: 500 PPM

DISP: Moribund

HISTO: 881517

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Islets, Pancreatic	Parathyroid Gland	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Intestine Small - Jejunum	Mammary Gland
---------------------------	---------------

OBSERVATIONS

Blood		Leukemia Mononuclear	
Bone Marrow		Hyperplasia	Marked
Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 3-6			
Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-2+3]			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Mild
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3.1]			
Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 73	TRT#: 3	SEX: Male	DAY ON TEST: 732
	DOSE: 500 PPM	DISP: Terminal Sacrifice	HISTO: 881518

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Moderate
Liver		Hemorrhage	Focal, Mild
	Bile Duct	Hyperplasia	Mild
Note: [HEMORRHAGE] TGLs = 2-6.1			
Nose		Inflammation	Chronic, Mild
Prostate		Hyperplasia	Focal, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 1-7			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 74	TRT#: 3	SEX: Male	DAY ON TEST: 453
	DOSE: 500 PPM	DISP: Interval Sacrifice	HISTO: 871077

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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 - Mesenteric
Mammary Gland	Pancreas	Parathyroid Gland	Preputial Gland
Prostate	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Lymph Node - Mandibular	Salivary Glands
-------------------------	-----------------

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Mild
Lymph Node	Mediastinal	Congestion	Marked
Note: CONGESTION	TGLs = 1+2-2		
Nose		Inflammation	Chronic, Focal, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Spleen		Congestion	Moderate
Testes	Bilateral, Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 75	TRT#: 3	SEX: Male	DAY ON TEST: 723
	DOSE: 500 PPM	DISP: Moribund	HISTO: 881519

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	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	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Glandular	Testes	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Marked
Kidney		Nephropathy	Marked
[Nephropathy TGLS = 1-4]			
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Carcinoma	
Note: [CARCINOMA] TGLs = 4-8			
Stomach	Forestomach	Squamous Cell Papilloma	
Note: [SQ CL PAPILLOM] TGLs = 2-5			
Thyroid Gland	C Cell	Carcinoma	
Note: [CARCINOMA] TGLs = 3-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 76	TRT#: 3	SEX: Male	DAY ON TEST: 733
	DOSE: 500 PPM	DISP: Terminal Sacrifice	HISTO: 881523

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Parathyroid Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Blood		Leukemia Mononuclear	
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Marked
Note: [NEPHROPATHY] TGLs = 1-4			
Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Lung			
Note: TGL 2			
Note: NO FOCI SEEN IN RECUT AND RETRIM			
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 77

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881520

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Kidney		Nephropathy	Moderate
Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Mild
Seminal Vesicle		Atrophy	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 1-7			
Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:47

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 78

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881521

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

MISSING

Intestine Small - Ileum	Preputial Gland
-------------------------	-----------------

OBSERVATIONS

Adrenal Gland Note: [PHEOCHROM MAL] TGLs = 3-8	Medulla	Pheochromocytoma Malignant	
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Marked
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Nose		Inflammation	Acute, Mild
		Inflammation	Chronic, Mild
Preputial GI Note: NO TISSUE FOUND ON RECHECK BY HISTOLOGY			
Seminal Vesicle		Atrophy	Marked
Skin Note: [KERATOACANTHMA] TGLs = 1-13		Keratoacanthoma	
Spleen		Leukemia Mononuclear	
Testes Note: [ADENOMA] TGLs = 4-7 Note: RT TESTIS APPEARS SMALL BECAUSE TUMOR IS SMALL TGL 2	Bilateral, Interstit Cell	Adenoma	
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 79	TRT#: 3	SEX: Male	DAY ON TEST: 708
	DOSE: 500 PPM	DISP: Dead	HISTO: 881524

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Lung	Nose
Parathyroid Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea			

MISSING

Mammary Gland	Thymus
---------------	--------

AUTO PRECLUDES DIAG.

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	Pancreas	Pituitary Gland
Spleen	Urinary Bladder		

OBSERVATIONS

Brain		Hemorrhage	Focal, Mild
Heart		Cardiomyopathy	Mild
Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
Note: [HDN] TGLs = 4-6			
Mesentery	Fat	Necrosis	Marked
Note: [NECROSIS] TGLs = 3-14			
Peripheral Nerve		Schwannoma Benign	
Note: [SCHWANNOMA BGN] TGLs = 6-13			
Preputial Gland		Cyst	
		Inflammation	Chronic, Mild
Note: [CYST] TGLs = 1-10			
Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 80	TRT#: 3	SEX: Male	DAY ON TEST: 733
	DOSE: 500 PPM	DISP: Terminal Sacrifice	HISTO: 881522

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Heart		Cardiomyopathy	Mild
Intestine Large	Rectum	Parasite Metazoan	Marked
Kidney		Nephropathy	Marked
Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
Lymph Node	Lymphatic, Mandibular	Angiectasis	Marked
Nose		Adenoma	
		Fungus	Marked
		Inflammation	Acute, Moderate
Preputial Gland		Inflammation	Chronic, Mild
Prostate		Hyperplasia	Focal, Mild
Seminal Vesicle		Atrophy	Marked
Spleen		Fibrosis	Minimal
Testes	Bilateral, Interstit Cell	Adenoma	

Note: [ADENOMA] TGLs = 1-7

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 81	TRT#: 3	SEX: Male	DAY ON TEST: 453
	DOSE: 500 PPM	DISP: Interval Sacrifice	HISTO: 871078

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
Note: FATTY CHANGE	TGLs = 2-3		
Lymph Node	Pancreatic	Congestion	Mild
Note: CONGESTION	TGLs = 3-9		
Nose		Inflammation	Chronic, Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Acute, Focal, Mild
Testes	Bilateral, Seminif Tub	Atrophy	Focal, Moderate
Note: ATROPHY	TGLs = 1-6		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 82

TRT#: 3

SEX: Male

DAY ON TEST: 452

DOSE: 500 PPM

DISP: Interval Sacrifice

HISTO: 871083

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Mild
Nose		Inflammation	Chronic, Focal, Mild
Pancreas	Acinus	Atrophy	Focal, Mild
Preputial Gland		Inflammation	Chronic, Focal, Mild
Seminal Vesicle		Hemorrhage	Mild
Note: HEMORRHAGE TGLs = 3-6+6.1			
Skin		Abscess	Moderate
Note: ABSCESS TGLs = 2-6.1			
Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 83	TRT#: 3	SEX: Male	DAY ON TEST: 732
	DOSE: 500 PPM	DISP: Terminal Sacrifice	HISTO: 881525

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	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	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Marked
Liver	Bile Duct	Hyperplasia	Moderate
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 1-8			
Testes	Interstit Cell	Adenoma	
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 84	TRT#: 3	SEX: Male	DAY ON TEST: 453
	DOSE: 500 PPM	DISP: Interval Sacrifice	HISTO: 871079

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Mammary Gland
Pancreas	Parathyroid Gland	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Trachea	Urinary Bladder

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Minimal
Lymph Node	Lymphatic, Mesenteric	Angiectasis	Mild
	Mandibular	Congestion	Mild
Note: CONGESTION	TGLs = 3+4+5-9		
Note: ANGIECTASIS	TGLs = 6-8		
Nose		Inflammation	Chronic, Focal, Mild
Spleen		Congestion	Mild
Testes	Bilateral, Interstit Cell	Hyperplasia	Mild
Thyroid Gland		Ultimobranchial Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 85

TRT#: 3

SEX: Male

DAY ON TEST: 724

DOSE: 500 PPM

DISP: Moribund

HISTO: 881526

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Brain		Compression	Marked
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Marked
Note: [NEPHROPATHY] TGLs = 2-4			
Liver		Hepatodiaphragmatic Nodule	
Note: [HDN] TGLs = 4-6.1	Bile Duct	Hyperplasia	Mild
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 5-8.1			
Preputial Gland		Cyst	
Seminal Vesicle		Atrophy	Mild
Note: [ATROPHY] TGLs = 1-7			
Stomach	Forestomach	Ulcer	Marked
Note: [ULCER] TGLs = 3-5.1			
Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 86

TRT#: 3

SEX: Male

DAY ON TEST: 580

DOSE: 500 PPM

DISP: Moribund

HISTO: 881530

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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	Mammary Gland	Parathyroid Gland	Preputial Gland
Prostate	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Blood		Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Fatty Change	Mild
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 2-6			
Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 3-3			
Nose		Adenoma	
Pancreas	Acinus	Atrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 4-8			
Seminal Vesicle		Atrophy	Mild
Spleen		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 1-3.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 87

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881527

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Heart		Cardiomyopathy	Marked
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Marked
[Nephropathy TGLS = 2-4]			
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Galactocele	
Mammary Gland			
Note: [GALACTOCELE] TGLs = 1-13			
Nose		Fungus	Mild
		Inflammation	Chronic, Moderate
		Inflammation	Acute, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 3-8			
Prostate		Inflammation	Acute, Moderate
Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 88	TRT#: 3	SEX: Male	DAY ON TEST: 452
	DOSE: 500 PPM	DISP: Interval Sacrifice	HISTO: 871084

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Liver	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Parathyroid Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Nose		Inflammation	Chronic, Focal, Mild
Pancreas	Acinus	Atrophy	Focal, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Testes	Interstitial Cell	Adenoma	
	Interstitial Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 89	TRT#: 3	SEX: Male	DAY ON TEST: 733
	DOSE: 500 PPM	DISP: Terminal Sacrifice	HISTO: 881528

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood	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	Parathyroid Gland	Pituitary Gland
Preputial Gland	Prostate	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Moderate
Heart		Cardiomyopathy	Marked
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Mild
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Mild
Seminal Vesicle		Atrophy	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	

Note: [ADENOMA] TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:47
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 90	TRT#: 3	SEX: Male	DAY ON TEST: 733
	DOSE: 500 PPM	DISP: Terminal Sacrifice	HISTO: 881529

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood	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
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Moderate
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Hyperplasia	Focal, Moderate
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Preputial Gland		Inflammation	Chronic, Minimal
Stomach	Forestomach	Hyperplasia	Basal Cell, Moderate
Testes	Bilateral, Interstit Cell	Adenoma	

Note: [ADENOMA] TGLs = 3-7

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 91

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881534

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Moderate
Liver		Granuloma	Marked
	Bile Duct	Hyperplasia	Minimal
Lymph Node	Mandibular	Lymphoma Malignant Lymphocytic	
	Pancreatic	Lymphoma Malignant Lymphocytic	
Note: [LYMPH MAL LYMP] TGLs = 2-9			
Nose		Inflammation	Chronic, Marked
Pituitary Gland	Pars Distalis	Adenoma	
Prostate		Hyperplasia	Focal, Mild
Seminal Vesicle		Atrophy	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 1-7			
Urinary Bladder		Inflammation	Chronic, Moderate
		Lymphoma Malignant Lymphocytic	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:48

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 92

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881531

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	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	Mammary Gland
Parathyroid Gland	Prostate	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	Two
Blood		Leukemia Mononuclear	
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Marked
Note: [NEPHROPATHY] TGLs = 3-4			
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung			
Note: NO LUNG FOCUS SEEN ON ORIGINAL SLIDE OR RECUT TGL 4			
Lymph Node	Mesenteric	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 1-8			
Nose		Inflammation	Acute, Moderate
Pancreas	Acinus	Adenoma	
Pituitary Gland	Pars Distalis	Cyst	
Note: [CYST] TGLs = 5-8			
Preputial Gland		Inflammation	Chronic, Mild
Seminal Vesicle		Atrophy	Marked
Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
[Fibrosis TGLS = 2-3]			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 6-8			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 92	TRT#: 3	SEX: Male	DAY ON TEST: 732
	DOSE: 500 PPM	DISP: Terminal Sacrifice	HISTO: 881531

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland	C Cell	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:48

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 93

TRT#: 3

SEX: Male

DAY ON TEST: 565

DOSE: 500 PPM

DISP: Moribund

HISTO: 881535

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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	Parathyroid Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland	Pituitary Gland
---------------	-----------------

OBSERVATIONS

Adrenal Gland	Medulla	Leukemia Mononuclear	
Blood		Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Heart		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
Liver		Nephropathy	Moderate
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 2-6			
Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-2+3]			
Lymph Node	Mesenteric	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 6-8			
Nose		Inflammation	Chronic, Minimal
Pancreas	Artery	Fibrosis	Marked
Spleen		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 1-3.1			
Testes	Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 5-7			
Thymus		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 93

TRT#: 3

SEX: Male

DAY ON TEST: 565

DOSE: 500 PPM

DISP: Moribund

HISTO: 881535

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 94

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881533

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Parathyroid Gland	Pituitary Gland
Preputial Gland	Prostate	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Blood		Leukemia Mononuclear	
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Mild
Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 4-6			
Lung	Alveolar Epith	Metaplasia	Moderate
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	
Note: [FIBROADENOMA] TGLs = 1-13			
Nose		Fungus	Moderate
		Inflammation	Acute, Moderate
		Inflammation	Chronic, Moderate
Pancreas	Acinus	Adenoma	
Note: ADENOMA IS ON SLIDE 5			
Seminal Vesicle		Atrophy	Marked
Spleen		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 2-3			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 94

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881533

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [ATROPHY] TGLs = 3-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 95

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881532

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	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
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Moderate
	Medulla	Pheochromocytoma Benign	
Blood		Leukemia Mononuclear	
Bone Marrow		Hyperplasia	Marked
Epididymis		Fibrosis	Moderate
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Hyperplasia	Focal, Mild
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 6-6 Note: [HYPERPLASIA] TGLs = 7-6			
Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-2+3]			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Marked
Note: [NECROSIS] TGLs = 2-13			
Nose		Inflammation	Chronic, Mild
Preputial Gland		Cyst	
Note: [CYST] TGLs = 1-10			
Seminal Vesicle		Atrophy	Marked
Spleen		Fibrosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 95	TRT#: 3	SEX: Male	DAY ON TEST: 732
	DOSE: 500 PPM	DISP: Terminal Sacrifice	HISTO: 881532

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
[Fibrosis TGLS = 4-3.1]			
[Leukemia Mononuclear TGLS = 3-3]			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 8-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 96

TRT#: 3

SEX: Male

DAY ON TEST: 661

DOSE: 500 PPM

DISP: Moribund

HISTO: 881539

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Epididymis	Esophagus
Heart	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Pancreas
Parathyroid Gland	Preputial Gland	Prostate	Skin
Stomach - Glandular	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Blood		Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Brain		Hemorrhage	Focal, Minimal
Intestine Large	Cecum	Lipoma	
Note: [LIPOMA] TGLs = 6-5.1			
Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
Liver		Fatty Change	Mild
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 7-6			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 4-8			
Note: [LEUKEMIA MONUC] TGLs = 8-3			
[Leukemia Mononuclear TGLS = 1-9]			
[Leukemia Mononuclear TGLS = 5-13]			
Mammary Gland		Leukemia Mononuclear	
Nose		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Adenoma	
Salivary Glands		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 96	TRT#: 3 DOSE: 500 PPM	SEX: Male DISP: Moribund	DAY ON TEST: 661 HISTO: 881539
----------------------	--	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

Seminal Vesicle		Atrophy	Moderate
Spleen		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 3-3.1			
Stomach	Forestomach	Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 2+9-7			
Thymus		Leukemia Mononuclear	
Thyroid Gland		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 97

TRT#: 3

SEX: Male

DAY ON TEST: 452

DOSE: 500 PPM

DISP: Interval Sacrifice

HISTO: 871085

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mesenteric	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Intestine Large - Colon

OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Minimal
Note: FATTY CHANGE	TGLs = 4-3		
Lung		Congestion	Minimal
Note: CONGESTION	TGLs = 5-1		
Lymph Node	Mandibular	Congestion	Mild
Note: PANCREATIC LYMPH NODE MISSING, ORIGINAL AND RECUT.			
Note: CONGESTION	TGLs = 1-9		
Mammary Gland		Lactation	Minimal
Mesentery		Hemorrhage	Mild
Note: HEMORRHAGE	TGLs = 2-13		
Nose		Inflammation	Chronic, Focal, Mild
Pancreas	Acinus	Atrophy	Focal, Mild
Preputial Gland		Inflammation	Chronic, Focal, Mild
Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:48

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 98

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881537

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Nephropathy	Mild
Liver		Clear Cell Focus	
		Granuloma	Mild
	Bile Duct	Hyperplasia	Mild
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Cyst	
Note: [CYST] TGLs = 3-8			
Preputial Gland		Inflammation	Chronic, Mild
Seminal Vesicle		Atrophy	Marked
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: [ATROPHY] TGLs = 2-7			
Note: [ADENOMA] TGLs = 1-7			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 99	TRT#: 3	SEX: Male	DAY ON TEST: 732
	DOSE: 500 PPM	DISP: Terminal Sacrifice	HISTO: 881538

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	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	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 2-6			
Nose		Fungus	Moderate
		Inflammation	Acute, Mild
		Inflammation	Chronic, Moderate
Preputial Gland		Inflammation	Chronic, Minimal
Prostate		Inflammation	Chronic, Mild
Seminal Vesicle		Atrophy	Mild
Spleen		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 1-7			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 100

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881536

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood	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	Preputial Gland	Prostate	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	Two
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Moderate
Nose		Inflammation	Chronic, Marked
		Inflammation	Acute, Mild
Seminal Vesicle		Atrophy	Marked
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: [ATROPHY] TGLs = 1-7			
Thymus		Cyst	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 101

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881541

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Marked
Liver	Bile Duct	Hyperplasia	Mild
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	Two
Note: [ADENOMA] TGLs = 2-8			
Skin		Keratoacanthoma	
Note: [KERATOACANTHMA] TGLs = 3-13			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: RT TESTIS LOOKS SMALL BECAUSE TUMOR IS SMALL TGL 1			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 102

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881540

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood	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	Parathyroid Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
	Medulla	Pheochromocytoma Benign	
Note: [PHEOCHROM BGN] TGLs = 2-8			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Mild
Nose		Inflammation	Chronic, Moderate
		Inflammation	Acute, Mild
Pancreas	Acinus	Atrophy	Marked
Pituitary Gland	Pars Distalis	Cyst	
Preputial Gland		Adenoma	
Seminal Vesicle		Atrophy	Marked
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 1-7			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 103

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881543

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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	Prostate	Salivary Glands	Skin
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Moderate
Blood		Leukemia Mononuclear	
Bone Marrow		Hyperplasia	Marked
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Marked
	Hepatocyte	Hyperplasia	Focal, Moderate
		Leukemia Mononuclear	
Note: [HYPERPLASIA] TGLs = 6-6			
Lung		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 5-2+3]	
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Adenoma	
Preputial Gland		Carcinoma	
Note: [CARCINOMA] TGLs = 1-10			
Seminal Vesicle		Atrophy	Moderate
Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-3.1]	
Stomach	Forestomach	Acanthosis	Marked
	Forestomach	Hyperkeratosis	Marked
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 2+3-7			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 103

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881543

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:48

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 104

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881542

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	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	Pancreas	Parathyroid Gland	Pituitary Gland
Preputial Gland	Prostate	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Islets, Pancreatic		Hyperplasia	Moderate
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
Lung		Congestion	Moderate
[Congestion TGLS = 1-2+3]			
Nose		Inflammation	Chronic, Moderate
Seminal Vesicle		Atrophy	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 105

TRT#: 3

SEX: Male

DAY ON TEST: 544

DOSE: 500 PPM

DISP: Moribund

HISTO: 881544

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
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 - Mesenteric
Parathyroid Gland	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Marked
Note: [INFILTRAT CELL] TGLs = 3-9			
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Cyst	
Spleen		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: [ADENOMA] TGLs = 1-7			
Note: [ATROPHY] TGLs = 2-7			
Zymbal's Gland		Carcinoma	
Note: [CARCINOMA] TGLs = 4-13+13.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 106

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881548

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood	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	Parathyroid Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Moderate
Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
Note: [CLEAR CL FOCUS] TGLs = 3-6			
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 2-8			
Preputial Gland		Adenoma	
Note: [ADENOMA] TGLs = 1-10			
Seminal Vesicle		Atrophy	Marked
Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 107

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881547

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	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	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Blood		Leukemia Mononuclear	
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Marked
Liver	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Hyperplasia	Focal, Moderate
		Leukemia Mononuclear	
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 1-8			
Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 108

TRT#: 3

SEX: Male

DAY ON TEST: 565

DOSE: 500 PPM

DISP: Moribund

HISTO: 881545

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Parathyroid Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Bone Marrow		Leukemia Mononuclear	
Epididymis			
Note: EPIDID & TESTIS YELLOW FROM JAUNDICE. NO LESION TGL 1 & 3			
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Mild
		Pigmentation	Bile, Moderate
Note: [PIGMENT] TGLs = 4-4			
Liver	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 5-6			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
Nose		Inflammation	Chronic, Moderate
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 2-3.1			
Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 109

TRT#: 3

SEX: Male

DAY ON TEST: 453

DOSE: 500 PPM

DISP: Interval Sacrifice

HISTO: 871086

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mandibular	Mammary Gland
-------------------------	---------------

INSUFFICIENT TISSUE

Adrenal Gland - Medulla

OBSERVATIONS

Intestine Large	Colon	Parasite Metazoan	Marked
	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
Note: FATTY CHANGE TGLs = 2-3			
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 1-13			
Nose		Inflammation	Chronic, Focal, Minimal
Pituitary Gland	Pars Distalis	Cyst	
Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 110

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881546

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Lung	Pancreas	Parathyroid Gland	Preputial Gland
Prostate	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

MISSING

Nose	Pituitary Gland
------	-----------------

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Blood		Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 4-6			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	
Note: [FIBROADENOMA] TGLs = 1-13			
Seminal Vesicle		Atrophy	Moderate
Spleen		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 3-3			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: [ATROPHY] TGLs = 2-7			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 111

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881551

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mesenteric	Mammary Gland
Parathyroid Gland	Prostate	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Blood		Leukemia Mononuclear	
Heart		Cardiomyopathy	Minimal
Intestine Large	Rectum	Parasite Metazoan	Moderate
Kidney		Nephropathy	Moderate
Liver		Clear Cell Focus	
	Bile Duct	Granuloma	Mild
		Hyperplasia	Mild
		Leukemia Mononuclear	
Lymph Node	Lymphatic, Mandibular	Angiectasis	Moderate
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 1-8			
Preputial Gland		Inflammation	Chronic, Mild
Seminal Vesicle		Atrophy	Moderate
Spleen		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 112

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881552

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Brain	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Mammary Gland
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Bone Marrow		Atrophy	Moderate
Heart		Cardiomyopathy	Mild
Intestine Large	Rectum	Parasite Metazoan	Marked
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
	Bile Duct	Hepatodiaphragmatic Nodule	
Note: [HDN] TGLs = 4-6		Hyperplasia	Moderate
Lymph Node	Lymphatic, Mesenteric	Angiectasis	Moderate
Note: [ANGIECTASIS] TGLs = 3-8			
Nose		Inflammation	Chronic, Mild
Preputial Gland		Inflammation	Chronic, Minimal
Seminal Vesicle		Atrophy	Marked
Skin		Hemangioma	
Note: [HEMANGIOMA] TGLs = 1-13			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: [ATROPHY] TGLs = 2-7			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 113

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881549

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Epididymis
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Parathyroid Gland	Preputial Gland
Prostate	Salivary Glands	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Moderate
Blood		Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Kidney		Nephropathy	Mild
Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 8+9-6			
Lung		Leukemia Mononuclear	
Lymph Node	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 4-9			
Note: [LEUKEMIA MONUC] TGLs = 5-8			
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Adenoma	
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 7-8			
Seminal Vesicle		Atrophy	Moderate
Skin		Keratoacanthoma	
Note: [KERATOACANTHMA] TGLs = 1-13			
Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 113	TRT#: 3	SEX: Male	DAY ON TEST: 732
	DOSE: 500 PPM	DISP: Terminal Sacrifice	HISTO: 881549

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [LEUKEMIA MONUC] TGLs = 3-3.1			
Stomach	Forestomach	Acanthosis	Marked
Note: [ACANTHOSIS] TGLs = 6-5			
Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Moderate
Note: [ATROPHY] TGLs = 2-7			
Thyroid Gland	C Cell	Hyperplasia	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 114

TRT#: 3

SEX: Male

DAY ON TEST: 653

DOSE: 500 PPM

DISP: Dead

HISTO: 881553

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Heart	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mammary Gland	Parathyroid Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Colon	Urinary Bladder
-------------------------	-------------------------	-----------------

OBSERVATIONS

Adrenal Gland Note: [PHEOCHROM MAL] TGLs = 4-8	Medulla	Pheochromocytoma Malignant	
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Fatty Change	Mild
		Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 5-6			
Lung [Hemorrhage TGLS = 10-2]		Hemorrhage	Focal, Moderate
Lymph Node	Mediastinal	Congestion	Moderate
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Congestion TGLS = 6-3]			
[Leukemia Mononuclear TGLS = 8-9.1]			
Mesentery Note: [NECROSIS] TGLs = 9-13	Fat	Necrosis	Moderate
Nose		Inflammation	Chronic, Mild
Pancreas		Leukemia Mononuclear	
Pituitary Gland	Pars Intermed	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 114

TRT#: 3
DOSE: 500 PPM

SEX: Male
DISP: Dead

DAY ON TEST: 653
HISTO: 881553

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen

Leukemia Mononuclear

Note: [LEUKEMIA MONUC] TGLs = 3-3.1

Testes

Bilateral, Interstit Cell

Adenoma

Note: [ADENOMA] TGLs = 2-7

Note: LEFT TESTIS LOOKS SMALL BECAUSE TUMOR IS SMALL TGL 2

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 115

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881550

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	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	Parathyroid Gland
Preputial Gland	Prostate	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Nose	Pituitary Gland
------	-----------------

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland			
Note: PITUITARY NOT SUBMITTED TGL 2			
Seminal Vesicle		Atrophy	Marked
Spleen		Leukemia Mononuclear	
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate

Note: [ATROPHY] TGLs = 1-7

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 116

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881555

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	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	Nose	Parathyroid Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney	Artery	Fibrosis	Marked
		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Moderate
Pancreas	Acinus	Atrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 1-8			
Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 117	TRT#: 3	SEX: Male	DAY ON TEST: 732
	DOSE: 500 PPM	DISP: Terminal Sacrifice	HISTO: 881556

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite Metazoan	Moderate
Kidney		Nephropathy	Mild
Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Moderate
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Seminal Vesicle		Atrophy	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 1-7			
Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 118	TRT#: 3	SEX: Male	DAY ON TEST: 658
	DOSE: 500 PPM	DISP: Dead	HISTO: 881558

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Lung	Nose	Preputial Gland
Prostate	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Thymus		

MISSING

Esophagus	Lymph Node - Mandibular	Mammary Gland	Parathyroid Gland
Salivary Glands	Thyroid Gland	Trachea	

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node - Mesenteric	Pancreas	Stomach - Glandular	Urinary Bladder

OBSERVATIONS

Epididymis		Spermatocoele	
Heart		Cardiomyopathy	Moderate
Liver	Bile Duct	Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 119

TRT#: 3

SEX: Male

DAY ON TEST: 537

DOSE: 500 PPM

DISP: Moribund

HISTO: 881554

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Brain		Compression	Marked
Eye		Cataract	Mild
Note: [CATARACT] TGLs = 10-13			
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
Lymph Node	Mediastinal	Congestion	Moderate
Note: NO PANCREATIC NODES IN ORIGINAL SLIDE OR RECUT TGL 5			
Note: [CONGESTION] TGLs = 8-3			
Mesentery		Mineralization	Focal, Mild
	Fat	Necrosis	Marked
Note: [MINERALIZATION] TGLs = 2-14			
Note: [NECROSIS] TGLs = 4+7-14			
Nose		Inflammation	Chronic, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 9-8			
Testes			
Note: TESTES APPEAR SMALL BECAUSE THEY HAVE NO TUMORS TGL3			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 120

TRT#: 3

SEX: Male

DAY ON TEST: 673

DOSE: 500 PPM

DISP: Dead

HISTO: 881557

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Small - Duodenum	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Preputial Gland	Prostate	Salivary Glands	Skin
Spleen	Stomach - Glandular	Thymus	Thyroid Gland
Trachea			

MISSING

Mammary Gland

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Ileum
Intestine Small - Jejunum	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Moderate
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Marked
Liver		Fatty Change	Marked
	Bile Duct	Hyperplasia	Mild
Note: [FATTY CHANGE] TGLs = 3-6			
Lung	Alveolar Epith	Metaplasia	Mild
[Metaplasia TGLS = 5-2]			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 4-8			
Seminal Vesicle		Atrophy	Marked
Stomach	Forestomach	Squamous Cell Papilloma	
	Forestomach	Ulcer	Marked
Note: [ULCER] TGLs = 2-5			
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: [ATROPHY] TGLs = 1-7			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 120

TRT#: 3

SEX: Male

DAY ON TEST: 673

DOSE: 500 PPM

DISP: Dead

HISTO: 881557

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 121

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881297

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	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	Parathyroid Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	Two
Blood		Leukemia Mononuclear	
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Marked
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Nose		Inflammation	Chronic, Moderate
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 3-8			
Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 2-3]			
Testes	Interstit Cell	Adenoma	
Note: TESTES APPEAR SMALL BECAUSE NO LARGE TUMORS PRESENT			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 122

TRT#: 5

SEX: Male

DAY ON TEST: 655

DOSE: 1250 PPM

DISP: Moribund

HISTO: 881298

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Mammary Gland
Pancreas	Parathyroid Gland	Preputial Gland	Prostate
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Islets, Pancreatic

OBSERVATIONS

Blood		Leukemia Mononuclear	
Bone Marrow		Hyperplasia	Marked
Heart		Cardiomyopathy	Minimal
Intestine Small	Jejunum	Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
Note: [LEUKEMIA MONUC] TGLs = 4-4			
Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 5-8.1			
Note: THREE UNLABELED NODES ALL SHOW LEUKEMIA			
Note: MEDIASTINAL LN MERGED WITH THYMUS TGL 6			
[Leukemia Mononuclear TGLS = 1-9.1]			
[Leukemia Mononuclear TGLS = 7-9]			
Nose		Leukemia Mononuclear	
Pituitary Gland		Leukemia Mononuclear	
Seminal Vesicle		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 122

TRT#: 5

SEX: Male

DAY ON TEST: 655

DOSE: 1250 PPM

DISP: Moribund

HISTO: 881298

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen

Leukemia Mononuclear

Note: [LEUKEMIA MONUC] TGLs = 2-3.1

Testes

Interstit Cell

Adenoma

Note: TESTES APPEAR SMALL BECAUSE NO LARGE TUMOR PRESENT

Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 123

TRT#: 5

SEX: Male

DAY ON TEST: 453

DOSE: 1250 PPM

DISP: Interval Sacrifice

HISTO: 871067

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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	Parathyroid Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Mild
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
Note: FATTY CHANGE TGLs = 1-3			
Nose		Inflammation	Chronic, Focal, Mild
Pancreas	Acinus	Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Hematopoietic Cell Proliferation	Minimal
Testes	Bilateral, Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 124

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881296

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	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	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Moderate
Nose		Inflammation	Acute, Moderate
		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 1-8			
Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 125

TRT#: 5

SEX: Male

DAY ON TEST: 506

DOSE: 1250 PPM

DISP: Moribund

HISTO: 881299

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Brain		Compression	Moderate
		Hemorrhage	Focal, Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Fatty Change	Mild
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Moderate
Note: [HDN] TGLs = 1-6.1			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 3-8			
Spleen		Pigmentation	Hemosiderin, Moderate
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 126

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881300

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Blood		Leukemia Mononuclear	
Heart		Cardiomyopathy	Mild
Intestine Large	Rectum	Parasite Metazoan	Moderate
Kidney		Nephropathy	Marked
Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 2-6			
Nose		Inflammation	Chronic, Mild
Spleen		Developmental Malformation	
		Leukemia Mononuclear	
[Developmental Malformation TGLS = 1-3]			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 3-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 127

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881301

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	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	Parathyroid Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney		Cyst	
		Nephropathy	Marked
[Cyst TGLS = 2-4]			
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 1-7			
Thyroid Gland	Follicle	Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 128

TRT#: 5

SEX: Male

DAY ON TEST: 453

DOSE: 1250 PPM

DISP: Interval Sacrifice

HISTO: 871068

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Kidney
Liver	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Pancreas	Parathyroid Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Nose		Inflammation	Chronic, Focal, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 129

TRT#: 5

SEX: Male

DAY ON TEST: 453

DOSE: 1250 PPM

DISP: Interval Sacrifice

HISTO: 871069

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Mild
Note: HYPERPLASIA	TGLs = 1-3.1		
Lymph Node	Mandibular	Congestion	Mild
Note: CONGESTION	TGLs = 2-9		
Nose		Inflammation	Chronic, Focal, Mild
Pancreas	Acinus	Atrophy	Focal, Mild
Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 130

TRT#: 5

SEX: Male

DAY ON TEST: 452

DOSE: 1250 PPM

DISP: Interval Sacrifice

HISTO: 871070

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Minimal
Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
Note: FATTY CHANGE TGLs = 2-3			
Nose		Inflammation	Chronic, Focal, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 3-6			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 131	TRT#: 5	SEX: Male	DAY ON TEST: 731
	DOSE: 1250 PPM	DISP: Terminal Sacrifice	HISTO: 881304

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland Note: [PHEOCHROM BGN] TGLs = 1-8	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Intestine Large	Rectum	Parasite Metazoan	Moderate
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Moderate
Lymph Node	Lymphatic, Mandibular	Angiectasis	Moderate
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Cyst	
Preputial Gland		Inflammation	Chronic, Mild
Prostate		Inflammation	Acute, Mild
Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 132	TRT#: 5	SEX: Male	DAY ON TEST: 731
	DOSE: 1250 PPM	DISP: Terminal Sacrifice	HISTO: 881305

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Marked
Heart		Cardiomyopathy	Minimal
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Moderate
Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Marked
Preputial Gland		Inflammation	Chronic, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 1-7			
Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 133

TRT#: 5

SEX: Male

DAY ON TEST: 590

DOSE: 1250 PPM

DISP: Moribund

HISTO: 881302

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	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	Parathyroid Gland	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland	Skin
---------------	------

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Bone		Hyperostosis	Moderate
Bone Marrow		Hyperplasia	Marked
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 4-6			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 5-3			
Note: HARD TO DISTINGUISH PANCREATIC AND MANDIBULAR LNS			
[Leukemia Mononuclear TGLS = 3-9]			
Pancreas		Cyst	
Seminal Vesicle		Atrophy	Marked
Spleen		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 2-3.1			
Testes	Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 6-7			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 133

TRT#: 5

SEX: Male

DAY ON TEST: 590

DOSE: 1250 PPM

DISP: Moribund

HISTO: 881302

ORGAN AND ACCOUNTABLE SITE STATUS

Note: RT TESTIS LOOKS SMALL BECAUSE NO TUMOR PRESENT TGL 1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 134

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881303

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite Metazoan	Marked
	Rectum	Parasite Metazoan	Moderate
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Moderate
Nose		Fungus	Marked
		Inflammation	Acute, Moderate
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Degeneration	Focal, Mild
Preputial Gland		Inflammation	Chronic, Minimal
Seminal Vesicle		Atrophy	Marked
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 1-7.1			
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 135

TRT#: 5

SEX: Male

DAY ON TEST: 452

DOSE: 1250 PPM

DISP: Interval Sacrifice

HISTO: 871071

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Intestine Large	Cecum	Hemorrhage	Mild
	Colon	Parasite Metazoan	Mild
	Rectum	Parasite Metazoan	Marked
Note: HEMORRHAGE	TGLs = 1-7		
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Mild
Preputial Gland		Inflammation	Acute, Focal, Mild
Note: INFLAMMATION	TGLs = 2-10		
Testes	Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 3-6		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 136

TRT#: 5

SEX: Male

DAY ON TEST: 709

DOSE: 1250 PPM

DISP: Moribund

HISTO: 881307

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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
Preputial Gland	Prostate	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Blood		Leukemia Mononuclear	
Bone Marrow		Hyperplasia	Marked
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Marked
Note: [NEPHROPATHY] TGLs = 5-4			
Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
Note: [HDN] TGLs = 6-6.1			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 4-8			
Mesentery	Fat	Necrosis	Marked
Note: [NECROSIS] TGLs = 7-13			
Nose		Inflammation	Chronic, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Seminal Vesicle		Atrophy	Marked
Spleen		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 3-3.1			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 2-7			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 136

TRT#: 5

SEX: Male

DAY ON TEST: 709

DOSE: 1250 PPM

DISP: Moribund

HISTO: 881307

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 137

TRT#: 5

SEX: Male

DAY ON TEST: 704

DOSE: 1250 PPM

DISP: Moribund

HISTO: 881309

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Lung
Mammary Gland	Parathyroid Gland	Prostate	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
	Medulla	Pheochromocytoma Benign	
Blood		Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Hyperplasia	Marked
Kidney		Nephropathy	Marked
Note: [NEPHROPATHY] TGLs = 1-4			
Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 2-6			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Marked
Note: [NECROSIS] TGLs = 3-13			
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Acute, Moderate
Note: [INFLAMMATION] TGLs = 6-10			
Seminal Vesicle		Atrophy	Moderate
Skin		Trichoepithelioma	
Note: [TRICHOEPITHEL] TGLs = 4-14			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 137

TRT#: 5

SEX: Male

DAY ON TEST: 704

DOSE: 1250 PPM

DISP: Moribund

HISTO: 881309

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen

Leukemia Mononuclear

Testes

Interstit Cell

Adenoma

Seminif Tub

Atrophy

Moderate

Note: [ATROPHY] TGLs = 5-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:48

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 138

TRT#: 5

SEX: Male

DAY ON TEST: 452

DOSE: 1250 PPM

DISP: Interval Sacrifice

HISTO: 871072

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	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	Mammary Gland	Pancreas
Parathyroid Gland	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

INSUFFICIENT TISSUE

Lymph Node - Mandibular

OBSERVATIONS

Adrenal Gland Note: PHEOCHROM BGN TGLs = 4-8	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
Note: FATTY CHANGE TGLs = 5-3			
Lymph Node	Lymphatic, Mesenteric	Angiectasis	Mild
	Pancreatic	Congestion	Minimal
Note: ANGIECTASIS TGLs = 3-8			
Note: CONGESTION TGLs = 2-9			
Nose		Inflammation	Chronic, Focal, Minimal
Pituitary Gland	Pars Distalis	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:48

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 139

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881306

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart		Cardiomyopathy	Moderate
Intestine Large	Colon	Parasite Metazoan	Moderate
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Moderate
Note: [NECROSIS] TGLs = 2-13			
Nose		Fungus	Marked
		Inflammation	Acute, Marked
Pancreas	Acinus	Atrophy	Minimal
Seminal Vesicle		Atrophy	Marked
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 3-7			
Note: LEFT TESTIS LOOKS SMALL BECAUSE TUMOR IS SMALL TGL 1			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 140

TRT#: 5

SEX: Male

DAY ON TEST: 709

DOSE: 1250 PPM

DISP: Moribund

HISTO: 881308

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum
Islets, Pancreatic	Mammary Gland	Pancreas	Parathyroid Gland
Pituitary Gland	Preputial Gland	Prostate	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Blood		Leukemia Mononuclear	
Bone Marrow		Hyperplasia	Moderate
Intestine Small	Ileum	Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
Liver	Hepatocyte	Hyperplasia	Focal, Moderate
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 3-6			
Note: [HYPERPLASIA] TGLs = 5-6.1			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 2-9			
Nose		Inflammation	Chronic, Minimal
Seminal Vesicle		Atrophy	Marked
Spleen		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 1-3.1			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 4-7			
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 141

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881311

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Mammary Gland	Pancreas	Parathyroid Gland	Pituitary Gland
Preputial Gland	Prostate	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Blood		Leukemia Mononuclear	
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Adenoma	
Kidney		Cyst	
		Fibrosis	Mild
		Nephropathy	Marked
Note: [FIBROSIS] TGLs = 6-4			
Note: [CYST] TGLs = 8-4			
Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: [FATTY CHANGE] TGLs = 7-6			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 1-9			
Nose		Inflammation	Chronic, Mild
Seminal Vesicle		Atrophy	Marked
Note: [ATROPHY] TGLs = 4-7			
Spleen		Fibrosis	Mild
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:48

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 141

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881311

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [LEUKEMIA MONUC] TGLs = 5-3.1

Testes

Interstit Cell

Adenoma

Seminif Tub

Atrophy

Marked

Note: [ATROPHY] TGLs = 2-7

Note: [ADENOMA] TGLs = 3-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 142

TRT#: 5

SEX: Male

DAY ON TEST: 528

DOSE: 1250 PPM

DISP: Moribund

HISTO: 881314

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Brain		Compression	Marked
Kidney		Nephropathy	Moderate
Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Focal, Moderate
Note: [HYPERPLASIA] TGLs = 4-6.1			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Carcinoma	
Note: [CARCINOMA] TGLs = 3-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:48

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 143

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881310

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Mild
Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Moderate
	Artery	Inflammation	Chronic, Moderate
Note: [FATTY CHANGE] TGLs = 4-6.1			
Nose		Inflammation	Chronic, Mild
Seminal Vesicle		Atrophy	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 2+3-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 144

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881313

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mesenteric	Pancreas	Parathyroid Gland
Pituitary Gland	Preputial Gland	Prostate	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Blood		Leukemia Mononuclear	
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: [HDN] TGLs = 5-6.1			
Note: [LEUKEMIA MONUC] TGLs = 6-6+6.1			
Lymph Node	Mandibular	Leukemia Mononuclear	
Nose		Inflammation	Chronic, Mild
Seminal Vesicle		Atrophy	Marked
Note: [ATROPHY] TGLs = 3-7			
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3]			
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: [ATROPHY] TGLs = 2-7			
Note: [ADENOMA] TGLs = 1-7			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 144

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881313

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 145

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881312

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	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	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Moderate
Lung	Alveolar Epith	Metaplasia	Mild
[Metaplasia TGLS = 2-2]			
Nose		Fungus	Mild
		Inflammation	Acute, Mild
		Inflammation	Chronic, Moderate
Pancreas		Inflammation	Chronic, Mild
Preputial Gland		Inflammation	Chronic, Mild
Seminal Vesicle		Atrophy	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: LEFT TESTIS LOOKS SMALL BECAUSE TUMOR IS SMALL TGL 4			
Note: [ADENOMA] TGLs = 3-7			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 146

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881317

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	Brain	Epididymis	Esophagus
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mesenteric	Mammary Gland
Parathyroid Gland	Preputial Gland	Prostate	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Seminal Vesicle

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Intestine Large	Cecum	Parasite Metazoan	Mild
	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Marked
[Nephropathy TGLS = 2-4]			
Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Moderate
Note: [CLEAR CL FOCUS] TGLs = 6-6.1			
Lymph Node	Lymphatic, Mandibular	Angiectasis	Moderate
Note: [ANGIECTASIS] TGLs = 5-9			
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 1-8			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 3-7			
Note: RT TESTIS LOOKS SMALL BECAUSE TUMOR IS SMALL TGL 4			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 147

TRT#: 5

SEX: Male

DAY ON TEST: 452

DOSE: 1250 PPM

DISP: Interval Sacrifice

HISTO: 871074

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Mild
Lymph Node	Mediastinal	Congestion	Moderate
Note: CONGESTION	TGLs = 3-2		
Nose		Inflammation	Chronic, Focal, Mild
Stomach	Forestomach	Squamous Cell Papilloma	
Note: SQ CL PAPILOM	TGLs = 5-7.1		
Testes	Bilateral, Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 148

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881315

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland Note: [PHEOCHROM MAL] TGLs = 5-8	Medulla	Pheochromocytoma Malignant	
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Moderate
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland Note: [ADENOMA] TGLs = 6-8	Pars Distalis	Adenoma	
Seminal Vesicle Note: [ATROPHY] TGLs = 2-7		Atrophy	Minimal
Skin Note: [FIBROMA] TGLs = 1-13		Fibroma	
Testes Note: LEFT TESTIS LOOKS SMALL BECAUSE TUMOR IS SMALL TGL 4 Note: [ADENOMA] TGLs = 3-7	Bilateral, Interstit Cell	Adenoma	
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 149

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881316

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Islets, Pancreatic	Mammary Gland	Parathyroid Gland	Pituitary Gland
Preputial Gland	Prostate	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Moderate
	Medulla	Leukemia Mononuclear	
Blood		Leukemia Mononuclear	
Bone Marrow		Hyperplasia	Marked
Brain		Hemorrhage	Focal, Moderate
Eye		Cataract	Moderate
Note: [CATARACT] TGLs = 1-13			
Heart		Cardiomyopathy	Mild
Intestine Small	Jejunum	Leukemia Mononuclear	
Kidney		Nephropathy	Moderate
Liver		Developmental Malformation	
		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 9-6.1			
Note: [DEVELOP MALFOR] TGLs = 11-6.2			
Note: [FATTY CHANGE] TGLs = 10-6.1			
Lung		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 14-3			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 8-8.1			
Note: [LEUKEMIA MONUC] TGLs = 2-9			
Nose		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 149	TRT#: 5 DOSE: 1250 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO: 881316
-----------------------	---	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

Pancreas		Leukemia Mononuclear	
Seminal Vesicle		Atrophy	Marked
Note: [ATROPHY] TGLs = 5-7			
Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
Note: [FIBROSIS] TGLs = 7-3.2 [Fibrosis TGLS = 6-3.1+3.2]			
Testes	Interstit Cell Seminif Tub	Adenoma Atrophy	Moderate
Note: [ATROPHY] TGLs = 3-7 Note: [ADENOMA] TGLs = 4-7			
Thymus		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 13-3			
Thyroid Gland	Follicular Cel C Cell	Carcinoma Hyperplasia	Marked
Note: [CARCINOMA] TGLs = 12-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:48

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 150

TRT#: 5

SEX: Male

DAY ON TEST: 453

DOSE: 1250 PPM

DISP: Interval Sacrifice

HISTO: 871073

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Skin	Thymus
---------------	------	--------

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Mild
Note: HYPERPLASIA TGLs = 4-3			
Lymph Node	Mediastinal	Congestion	Mild
Note: PANCREATIC LYMPH NODE NOT SUBMITTED			
Note: CONGESTION TGLs = 3-2			
Nose		Inflammation	Chronic, Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 151

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881320

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Lung	Mammary Gland	Pancreas	Parathyroid Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Blood		Leukemia Mononuclear	
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 4-4]			
Liver	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Hyperplasia	Focal, Mild
		Leukemia Mononuclear	
Note: [HYPERPLASIA] TGLs = 5-6+6.1			
Lymph Node	Mandibular	Infarct	Moderate
	Mesenteric	Leukemia Mononuclear	
Nose		Inflammation	Chronic, Marked
Pituitary Gland		Infarct	Marked
		Leukemia Mononuclear	
Note: [INFARCT] TGLs = 3-8			
Preputial Gland		Inflammation	Chronic, Mild
Spleen		Fibrosis	Marked
		Leukemia Mononuclear	
[Fibrosis TGLS = 2-3.1]			
[Leukemia Mononuclear TGLS = 1-3.1]			
Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:48

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 151

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881320

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 152

TRT#: 5

SEX: Male

DAY ON TEST: 591

DOSE: 1250 PPM

DISP: Moribund

HISTO: 881319

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Liver	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Parathyroid Gland	Peripheral Nerve
Preputial Gland	Seminal Vesicle	Skin	Spinal Cord
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Bone		Osteosarcoma	
Note: [OSTEOSARC] TGLs = 4-13			
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Mild
Lung		Osteosarcoma	Metastatic (Uncertain Primary Site)
[Osteosarcoma TGLS = 2+3-2+3]			
Mesentery	Fat	Necrosis	Marked
Note: [NECROSIS] TGLs = 1-14			
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
Prostate		Inflammation	Chronic, Mild
Salivary Glands		Osteosarcoma	Metastatic (Uncertain Primary Site)
Testes	Bilateral, Interstit Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 153

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881321

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart		Cardiomyopathy	Moderate
Intestine Large	Cecum	Parasite Metazoan	Moderate
Kidney		Nephropathy	Moderate
Liver		Clear Cell Focus	
		Granuloma	Minimal
	Bile Duct	Hyperplasia	Minimal
Nose		Inflammation	Chronic, Moderate
Pancreas	Acinus	Atrophy	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	

Note: [ADENOMA] TGLs = 2+3-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 154

TRT#: 5

SEX: Male

DAY ON TEST: 453

DOSE: 1250 PPM

DISP: Interval Sacrifice

HISTO: 871075

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Adrenal Gland - Cortex	Adrenal Gland - Medulla
------------------------	-------------------------

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Intestine Large	Rectum	Parasite Metazoan	Marked
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Mild
Note: HYPERPLASIA TGLs = 3-3			
Lymph Node	Mandibular	Congestion	Minimal
Note: CONGESTION TGLs = 1-9			
Note: LUMBAR LYMPH NODE NOT SUBMITTED.			
Nose		Inflammation	Chronic, Focal, Mild
		Metaplasia	Squamous, Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
Note: HYPERPLASIA TGLs = 4-8			
Testes	Bilateral, Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 155

TRT#: 5

SEX: Male

DAY ON TEST: 520

DOSE: 1250 PPM

DISP: Moribund

HISTO: 881318

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	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	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Minimal
Lung		Carcinoma	Metastatic (Uncertain Primary Site)
Lymph Node	Mediastinal	Congestion	Moderate
Note: [CONGESTION] TGLs = 3-3			
Nose		Inflammation	Chronic, Mild
Preputial Gland		Abscess	Mild
Note: [ABSCESS] TGLs = 2-10			
Zymbal's Gland		Carcinoma	
Note: [CARCINOMA] TGLs = 1-13			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 156

TRT#: 5

SEX: Male

DAY ON TEST: 636

DOSE: 1250 PPM

DISP: Moribund

HISTO: 881326

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
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	Pancreas	Parathyroid Gland	Pituitary Gland
Preputial Gland	Prostate	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Mild
Kidney		Pigmentation	Bile, Moderate
Liver		Fatty Change	Mild
Note: [FATTY CHANGE] TGLs = 5-6			
Nose		Inflammation	Chronic, Mild
Seminal Vesicle		Atrophy	Marked
Skin		Fibrosarcoma	
Note: [FIBROSARC] TGLs = 1-13			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: [HEMA CELL PROL] TGLs = 2-3			
Testes	Interstit Cell	Adenoma	
Note: NO LEFT TESTIS SUBMITTED TGL-4			
Note: [ADENOMA] TGLs = 3-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 157

TRT#: 5

SEX: Male

DAY ON TEST: 661

DOSE: 1250 PPM

DISP: Moribund

HISTO: 881325

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Epididymis
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Mammary Gland	Parathyroid Gland	Prostate
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Blood		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 9-15			
Bone Marrow		Hyperplasia	Marked
Brain		Hemorrhage	Focal, Minimal
Note: BRAIN APPEARS PALE BECAUSE BLOOD IS PALE TGL 8			
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 5-6			
Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-2+3]			
Lymph Node	Lymphatic, Pancreatic	Angiectasis	Moderate
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-3]			
[Leukemia Mononuclear TGLS = 3-9]			
Mesentery	Fat	Necrosis	Marked
Note: [NECROSIS] TGLs = 2-13			
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 157

TRT#: 5

SEX: Male

DAY ON TEST: 661

DOSE: 1250 PPM

DISP: Moribund

HISTO: 881325

ORGAN AND ACCOUNTABLE SITE STATUS

Preputial Gland	Inflammation	Chronic, Minimal
Seminal Vesicle	Atrophy	Moderate
Skin	Ulcer	Moderate
Note: [ULCER] TGLs = 10-14		
Spleen	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 4-3.1		
Testes	Interstit Cell	Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 158

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881322

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	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	Prostate	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Hyperplasia	Focal, Moderate
Note: [HYPERPLASIA] TGLs = 5-6.1			
Mesentery	Fat	Necrosis	Marked
Note: [NECROSIS] TGLs = 3-14			
Nose		Inflammation	Chronic, Moderate
Preputial Gland		Inflammation	Chronic, Minimal
Seminal Vesicle		Atrophy	Marked
Note: [ATROPHY] TGLs = 4-7			
Skin		Acanthosis	Moderate
Note: [ACANTHOSIS] TGLs = 1-13			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 2-7			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 159 **TRT#:** 5 **SEX:** Male **DAY ON TEST:** 731
DOSE: 1250 PPM **DISP:** Terminal Sacrifice **HISTO:** 881323

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Pancreas	Parathyroid Gland
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Eye		Cataract	Moderate
	Retina	Degeneration	Marked
Note: [CATARACT] TGLs = 2-14			
Islets, Pancreatic		Adenoma	
		Carcinoma	
Kidney		Nephropathy	Moderate
Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Moderate
Note: [CLEAR CL FOCUS] TGLs = 4-6.1			
Nose		Inflammation	Chronic, Moderate
Pituitary Gland	Pars Distalis	Adenoma	Two
Note: [ADENOMA] TGLs = 1-8			
Preputial Gland		Inflammation	Chronic, Mild
Prostate		Hyperplasia	Focal, Mild
Seminal Vesicle		Dilatation	Marked
Note: [DILATATION] TGLs = 7-7			
Skin		Lipoma	
Note: [LIPOMA] TGLs = 3-13			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 5+6-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:48

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 160

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881324

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	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	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Blood		Leukemia Mononuclear	
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Mild
Preputial Gland		Inflammation	Chronic, Mild
Seminal Vesicle		Atrophy	Marked
Spleen		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	

Note: [ADENOMA] TGLs = 1+2-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 161 **TRT#:** 5 **SEX:** Male **DAY ON TEST:** 731
DOSE: 1250 PPM **DISP:** Terminal Sacrifice **HISTO:** 881327

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	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

Heart		Cardiomyopathy	Mild
Intestine Small	Ileum	Hyperplasia	Lymphoid, Marked
Note: [HYPERPLASIA] TGLs = 2-5			
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
Note: [CLEAR CL FOCUS] TGLs = 4-6.1			
Lymph Node		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 3-8.1			
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Marked
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Chronic, Minimal
Spleen		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 1-7			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 162

TRT#: 5

SEX: Male

DAY ON TEST: 723

DOSE: 1250 PPM

DISP: Moribund

HISTO: 881331

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Nephropathy	Marked
Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Nose		Inflammation	Chronic, Moderate
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 1-8			
Seminal Vesicle		Atrophy	Mild
Spleen		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 163

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881328

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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
Prostate	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Bone Marrow		Hyperplasia	Marked
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: [FATTY CHANGE] TGLs = 8-6+6.1 Note: [LEUKEMIA MONUC] TGLs = 7-6+6.1			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mesentery		Fibrosarcoma	
Note: [FIBROSARC] TGLs = 3-13			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 4-8			
Preputial Gland		Adenoma	
Note: [ADENOMA] TGLs = 1-10			
Seminal Vesicle		Atrophy	Marked
Spleen		Fibrosis	Mild
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 163

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881328

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [LEUKEMIA MONUC] TGLs = 2-3.1

Testes

Interstit Cell

Adenoma

Seminif Tub

Atrophy

Marked

Note: [ATROPHY] TGLs = 5-7

Note: [ADENOMA] TGLs = 6-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 164

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881329

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Blood		Leukemia Mononuclear	
Intestine Large	Rectum	Parasite Metazoan	Marked
Kidney		Nephropathy	Moderate
Liver		Basophilic Focus	
	Bile Duct	Clear Cell Focus	
		Hyperplasia	Mild
		Leukemia Mononuclear	
Note: [BASOPH FOCUS] TGLs = 5-6.1			
Nose		Fungus	Marked
		Inflammation	Acute, Moderate
Preputial Gland		Adenoma	
Note: [ADENOMA] TGLs = 4-10			
Seminal Vesicle		Atrophy	Marked
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3]			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 1-7,3-7			
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 165 **TRT#:** 5 **SEX:** Male **DAY ON TEST:** 731
DOSE: 1250 PPM **DISP:** Terminal Sacrifice **HISTO:** 881330

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Parathyroid Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder		

MISSING

Mammary Gland Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
	Medulla	Pheochromocytoma Malignant	
Note: [PHEOCHROM MAL] TGLs = 1-8			
Heart		Cardiomyopathy	Moderate
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Marked
[Nephropathy TGLS = 2-4]			
Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
Note: [CLEAR CL FOCUS] TGLs = 4-6.1			
Nose		Inflammation	Chronic, Moderate
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
Testes	Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 3-7			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 166

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881333

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Pancreas	Parathyroid Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Hyperplasia	Moderate
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Granuloma	Mild
	Bile Duct	Hyperplasia	Mild
Nose		Fungus	Mild
		Inflammation	Acute, Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Preputial Gland		Inflammation	Chronic, Mild
Seminal Vesicle		Atrophy	Mild
Testes	Bilateral, Interstit Cell	Adenoma	

Note: [ADENOMA] TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:48

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 167

TRT#: 5

SEX: Male

DAY ON TEST: 667

DOSE: 1250 PPM

DISP: Moribund

HISTO: 881336

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Intestine Large - Cecum
Intestine Small - Ileum
Pancreas
Seminal Vesicle
Thymus

Bone
Intestine Large - Colon
Intestine Small - Jejunum
Preputial Gland
Skin
Thyroid Gland

Epididymis
Intestine Large - Rectum
Islets, Pancreatic
Prostate
Stomach - Forestomach
Trachea

Esophagus
Intestine Small - Duodenum
Mammary Gland
Salivary Glands
Stomach - Glandular
Urinary Bladder

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland
Blood
Bone Marrow
Brain
 Note: [HEMORRHAGE] TGLs = 7-1
Heart
 Note: [DILATATION] TGLs = 5-6
Kidney
Liver

 Note: [CYST] TGLs = 3-6.1
 Note: [CLEAR CL FOCUS] TGLs = 8-6.2
Lung
 [Leukemia Mononuclear TGLS = 4-2]
Lymph Node

 Note: [LEUKEMIA MONUC] TGLs = 2-8
Nose
Pituitary Gland

Medulla

Atrium

Mandibular
Mesenteric

Pars Distalis

Hyperplasia
Leukemia Mononuclear
Leukemia Mononuclear
Hemorrhage

Dilatation

Nephropathy
Clear Cell Focus
Cyst
Leukemia Mononuclear
Necrosis

Leukemia Mononuclear

Leukemia Mononuclear
Leukemia Mononuclear

Inflammation
Cyst

Focal, Mild

Focal, Marked

Marked

Moderate

Focal, Mild

Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 167

TRT#: 5

SEX: Male

DAY ON TEST: 667

DOSE: 1250 PPM

DISP: Moribund

HISTO: 881336

ORGAN AND ACCOUNTABLE SITE STATUS

Pars Distalis

Hyperplasia

Focal, Moderate

Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 1-3.1]

Testes

Bilateral, Interstit Cell

Adenoma

Note: [ADENOMA] TGLs = 9-7

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 168 **TRT#:** 5 **SEX:** Male **DAY ON TEST:** 688
DOSE: 1250 PPM **DISP:** Dead **HISTO:** 881332

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Islets, Pancreatic	Mammary Gland
Parathyroid Gland	Preputial Gland	Prostate	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea		

AUTO PRECLUDES DIAG.

Intestine Small - Ileum	Intestine Small - Jejunum	Urinary Bladder
-------------------------	---------------------------	-----------------

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Bone Marrow		Leukemia Mononuclear	
Heart		Cardiomyopathy	Moderate
Kidney		Infarct	Marked
		Nephropathy	Mild
Note: [INFARCT] TGLs = 3-4.1			
Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 5-6			
Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Congestion	Moderate
	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: [CONGESTION] TGLs = 6-3			
[Congestion TGLS = 4-8]			
Nose		Fungus	Moderate
		Inflammation	Acute, Marked
Pancreas	Acinus	Atrophy	Moderate
Seminal Vesicle		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 168	TRT#: 5	SEX: Male	DAY ON TEST: 688
	DOSE: 1250 PPM	DISP: Dead	HISTO: 881332

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen		Infarct	Mild
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 1-3.1			
Note: [INFARCT] TGLs = 2-3.1			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 8-7			

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 169

TRT#: 5

SEX: Male

DAY ON TEST: 717

DOSE: 1250 PPM

DISP: Moribund

HISTO: 881335

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	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
Parathyroid Gland	Pituitary Gland	Preputial Gland	Prostate
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Mild
Blood		Leukemia Mononuclear	
Bone Marrow		Atrophy	Marked
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver		Fatty Change	Mild
	Hepatocyte	Hyperplasia	Focal, Mild
		Leukemia Mononuclear	
Note: [FATTY CHANGE] TGLs = 4-6			
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Mild
Seminal Vesicle		Atrophy	Marked
Spleen		Fibrosis	Marked
		Necrosis	Focal, Moderate
[Fibrosis TGLS = 3-3]			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 1+2-7			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 170

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881334

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Blood		Leukemia Mononuclear	
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Carcinoma	
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 4-8			
Preputial Gland		Abscess	Moderate
Note: [ABSCESS] TGLs = 1-10			
Prostate		Inflammation	Acute, Mild
Seminal Vesicle		Atrophy	Marked
Spleen		Leukemia Mononuclear	
Note: NO NODULE SEEN ON ORIGINAL SLIDE OR RECUT TGL 3			
Testes	Interstitial Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: [ATROPHY] TGLs = 2-7			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 171

TRT#: 5

SEX: Male

DAY ON TEST: 453

DOSE: 1250 PPM

DISP: Interval Sacrifice

HISTO: 871076

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mesenteric	Mammary Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Trachea	Urinary Bladder		

MISSING

Parathyroid Gland	Thymus
-------------------	--------

OBSERVATIONS

Heart		Cardiomyopathy	Moderate
Intestine Large	Colon	Parasite Metazoan	Mild
	Rectum	Parasite Metazoan	Moderate
Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
Note: FATTY CHANGE	TGLs = 2-3		
Lymph Node	Mandibular	Congestion	Mild
	Mediastinal	Congestion	Mild
Note: CONGESTION	TGLs = 1-9		
Note: CONGESTION	TGLs = 4-2		
Nose		Inflammation	Chronic, Focal, Mild
Pancreas	Acinus	Atrophy	Focal, Mild
Preputial Gland		Inflammation	Chronic, Focal, Mild
Thyroid Gland	Follicular Cel	Carcinoma	
Note: CARCINOMA	TGLs = 3-8		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:48

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 172

TRT#: 5

SEX: Male

DAY ON TEST: 543

DOSE: 1250 PPM

DISP: Moribund

HISTO: 881337

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Mild
Bone		Hyperostosis	
Note: [HYPEROSTOSIS] TGLs = 2+3-13+14			
Heart		Cardiomyopathy	Mild
Intestine Large	Rectum	Parasite Metazoan	Marked
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Focal, Mild
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 173

TRT#: 5

SEX: Male

DAY ON TEST: 683

DOSE: 1250 PPM

DISP: Dead

HISTO: 881338

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Islets, Pancreatic
Nose
Salivary Glands
Thymus

Adrenal Gland - Medulla
Intestine Large - Colon
Lymph Node - Mandibular
Parathyroid Gland
Skin
Thyroid Gland

Bone
Intestine Large - Rectum
Lymph Node - Mesenteric
Pituitary Gland
Stomach - Forestomach
Trachea

Epididymis
Intestine Small - Duodenum
Mammary Gland
Preputial Gland
Stomach - Glandular

AUTO PRECLUDES DIAG.

Intestine Large - Cecum
Urinary Bladder

Intestine Small - Ileum

Intestine Small - Jejunum

Kidney

OBSERVATIONS

Bone Marrow
Brain
 Note: [HEMORRHAGE] TGLs = 3-1
Eye
 Note: [CATARACT] TGLs = 5-13
Heart
Liver

Lung
Pancreas
Prostate
Seminal Vesicle
Spleen
Testes
 Note: [ADENOMA] TGLs = 1+2-7

Bile Duct

Acinus

Bilateral, Interstit Cell

Myelofibrosis
Hemorrhage

Cataract

Cardiomyopathy
Hyperplasia
Leukemia Mononuclear
Leukemia Mononuclear
Atrophy
Hyperplasia
Atrophy
Leukemia Mononuclear
Adenoma

Marked
Focal, Moderate

Marked

Mild
Moderate

Marked
Focal, Mild
Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:48

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 174

TRT#: 5

SEX: Male

DAY ON TEST: 711

DOSE: 1250 PPM

DISP: Dead

HISTO: 881340

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Esophagus
Intestine Large - Rectum	Intestine Small - Duodenum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Pancreas
Parathyroid Gland	Preputial Gland	Salivary Glands	Skin
Stomach - Forestomach	Thymus	Trachea	

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Ileum	Intestine Small - Jejunum
Urinary Bladder			

INSUFFICIENT TISSUE

Adrenal Gland - Medulla

OBSERVATIONS

Brain		Congestion	Moderate
[Congestion TGLS = 11-1]			
Epididymis		Mesothelioma Nos	
Note: [MESOTHELIO NOS] TGLs = 3-7			
Heart		Cardiomyopathy	Minimal
Kidney		Mineralization	Moderate
		Nephropathy	Marked
Note: [NEPHROPATHY] TGLs = 6-4			
Liver	Bile Duct	Fatty Change	Mild
		Hyperplasia	Moderate
		Mesothelioma Malignant	
Note: GREEN COLOR IS POSTMORTEM AUTOLYSIS TGL 8			
Note: [MESOTHELIO MAL] TGLs = 7-6			
Lymph Node	Mediastinal	Congestion	Marked
Note: [CONGESTION] TGLs = 9-3			
Mesentery		Mesothelioma Malignant	
Note: [MESOTHELIO MAL] TGLs = 5-14			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 174

TRT#: 5

SEX: Male

DAY ON TEST: 711

DOSE: 1250 PPM

DISP: Dead

HISTO: 881340

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [ADENOMA] TGLs = 10-8			
Prostate		Hyperplasia	Focal, Mild
Seminal Vesicle		Mesothelioma Malignant	
Skeletal Muscle		Mesothelioma Malignant	
Note: [MESOTHELIO MAL] TGLs = 4-13,1-15			
Spleen		Congestion	Mild
Note: [CONGESTION] TGLs = 12-3			
Stomach	Glandular	Edema	Moderate
Note: [EDEMA] TGLs = 13-5			
Testes	Interstit Cell	Adenoma	
		Mesothelioma Malignant	
Note: RT TESTIS NOT ON ORIGINAL SLIDE OR RECUT TGL 2			
Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 175

TRT#: 5

SEX: Male

DAY ON TEST: 708

DOSE: 1250 PPM

DISP: Moribund

HISTO: 881339

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Mammary Gland	Parathyroid Gland
Pituitary Gland	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

MISSING

Islets, Pancreatic

INSUFFICIENT TISSUE

Pancreas

OBSERVATIONS

Adrenal Gland	Medulla	Leukemia Mononuclear	
Bone Marrow		Hyperplasia	Marked
Brain		Hemorrhage	Focal, Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver	Lymphatic	Angiectasis	Marked
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: [ANGIECTASIS] TGLs = 8-6.1			
Note: [LEUKEMIA MONUC] TGLs = 4-6			
Lung		Leukemia Mononuclear	
	Alveolar Epith	Metaplasia	Mild
Note: [METAPL] TGLs = 5-3			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 2-9			
Mesentery		Accessory Spleen	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 175

TRT#: 5

SEX: Male

DAY ON TEST: 708

DOSE: 1250 PPM

DISP: Moribund

HISTO: 881339

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [ACCESSORY SPLN] TGLs = 6-3.3			
Nose		Inflammation	Chronic, Mild
Spleen		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 3-3.1,7-3.1			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 1-7			
Thyroid Gland	C Cell	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 176

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881343

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	Two
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Marked
Liver	Bile Duct	Hyperplasia	Mild
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 1-8			
Spleen		Fibrosis	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 2-7			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 177

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881342

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Parathyroid Gland	Preputial Gland	Prostate	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Intestine Large - Rectum

OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Mild
Mammary Gland		Fibroadenoma	
Note: [FIBROADENOMA] TGLs = 1-13			
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Adenoma	
Pituitary Gland	Pars Distalis	Cyst	
Seminal Vesicle		Atrophy	Marked
Note: [ATROPHY] TGLs = 3-7			
Spleen		Fibrosis	Moderate
[Fibrosis TGLS = 4-3]			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:48

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 178

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881469

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Rectum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Mammary Gland	Parathyroid Gland	Preputial Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Intestine Small - Duodenum	Thymus
----------------------------	--------

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Moderate
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Moderate
Lymph Node	Lymphatic, Mandibular	Angiectasis	Marked
	Mesenteric	Congestion	Moderate
Note: [ANGIECTASIS] TGLs = 4-9			
Nose		Fungus	Mild
		Inflammation	Acute, Mild
		Inflammation	Chronic, Moderate
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Marked
Note: [HYPERPLASIA] TGLs = 2-8			
Prostate		Hyperplasia	Focal, Mild
Seminal Vesicle		Atrophy	Marked
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: [ADENOMA] TGLs = 3-7			
Note: [ATROPHY] TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 178

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881469

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:48

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 179

TRT#: 5

SEX: Male

DAY ON TEST: 719

DOSE: 1250 PPM

DISP: Moribund

HISTO: 881341

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Preputial Gland
Stomach - Forestomach
Urinary Bladder

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Mammary Gland
Prostate
Stomach - Glandular

Bone
Intestine Large - Cecum
Intestine Small - Ileum
Pancreas
Salivary Glands
Thymus

Epididymis
Intestine Large - Colon
Intestine Small - Jejunum
Parathyroid Gland
Skin
Trachea

OBSERVATIONS

Bone Marrow
Brain
Kidney

Leukemia Mononuclear
Hemorrhage
Infarct
Nephropathy

Focal, Moderate
Marked
Mild

Note: [INFARCT] TGLs = 5-4.1

Liver

Bile Duct

Fatty Change
Hyperplasia
Leukemia Mononuclear

Moderate
Mild

Note: [FATTY CHANGE] TGLs = 6-6

Lung

Note: [LEUKEMIA MONUC] TGLs = 8-2+3

Lymph Node

Mandibular
Mediastinal
Mesenteric
Pancreatic
Renal

Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear

Note: [LEUKEMIA MONUC] TGLs = 7-3

Note: [LEUKEMIA MONUC] TGLs = 4-13

[Leukemia Mononuclear TGLs = 2-9.1]

[Leukemia Mononuclear TGLs = 3-8]

Nose

Inflammation
Adenoma

Chronic, Mild

Pituitary Gland

Pars Distalis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 179

TRT#: 5

SEX: Male

DAY ON TEST: 719

DOSE: 1250 PPM

DISP: Moribund

HISTO: 881341

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [ADENOMA] TGLs = 9-8			
Seminal Vesicle		Atrophy	Marked
Spleen		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 1-3.1			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 10-7			
Thyroid Gland	C Cell	Hyperplasia	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 180

TRT#: 5

SEX: Male

DAY ON TEST: 621

DOSE: 1250 PPM

DISP: Moribund

HISTO: 881344

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Epididymis
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Mesentery	Nose
Pancreas	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland	Parathyroid Gland
---------------	-------------------

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Blood		Leukemia Mononuclear	
Bone Marrow		Hyperplasia	Moderate
Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 3-6			
Lung		Hemorrhage	Focal, Mild
		Leukemia Mononuclear	
[Hemorrhage TGLS = 4-2.1]			
Lymph Node	Mesenteric	Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Marked
Spleen		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 2-3.1			
Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 181

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 880735

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland Note: [PHEOCHROM BGN] TGLs = 1-8	Medulla	Pheochromocytoma Benign	
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Moderate
		Necrosis	Focal, Mild
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 2-8			
Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 182

TRT#: 7

SEX: Male

DAY ON TEST: 559

DOSE: 2500 PPM

DISP: Moribund

HISTO: 880736

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland Note: [VACUOLIZ CYTO] TGLs = 3-8.1	Cortex	Vacuolization Cytoplasmic	Focal, Marked
Kidney		Nephropathy	Moderate
Liver Note: [HDN] TGLs = 4-6.1		Fatty Change Hepatodiaphragmatic Nodule	Minimal
Mesentery Note: [NECROSIS] TGLs = 2-13	Fat	Necrosis	Moderate
Nose		Inflammation	Chronic, Mild
Pituitary Gland Note: [ADENOMA] TGLs = 5-8	Pars Distalis	Adenoma	
Prostate		Atrophy	Moderate
Seminal Vesicle		Atrophy	Moderate
Spleen		Fibrosis	Mild
Testes Note: [ATROPHY] TGLs = 1-7	Seminif Tub	Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 183

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 880737

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Heart		Cardiomyopathy	Moderate
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Minimal
Nose		Inflammation	Chronic, Moderate
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Marked
Testes	Bilateral, Interstit Cell	Adenoma	

Note: [ADENOMA] TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 184	TRT#: 7	SEX: Male	DAY ON TEST: 730
	DOSE: 2500 PPM	DISP: Terminal Sacrifice	HISTO: 880738

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Intestine Large	Colon	Parasite Metazoan	Mild
	Rectum	Parasite Metazoan	Marked
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Moderate
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 2-8			
Spleen		Fibrosis	Mild
Note: [FIBROSIS] TGLs = 3-3			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 185

TRT#: 7

SEX: Male

DAY ON TEST: 452

DOSE: 2500 PPM

DISP: Interval Sacrifice

HISTO: 870983

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland Note: CONGESTION TGLs = 2-8	Cortex	Congestion	Focal, Mild
Bone		Fibrosis	Minimal
Intestine Large	Cecum	Parasite Metazoan	Marked
Kidney		Nephropathy	Mild
Liver Note: CYTOPLAS ALTER TGLs = 3-3	Bile Duct	Cytoplasmic Alteration Hyperplasia	Focal, Mild Mild
Lymph Node Note: CONGESTION TGLs = 1-9	Mandibular	Congestion	Minimal
Nose		Inflammation	Chronic, Focal, Mild
Testes Note: ADENOMA TGLs = 4-6	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 186

TRT#: 7

SEX: Male

DAY ON TEST: 453

DOSE: 2500 PPM

DISP: Interval Sacrifice

HISTO: 870984

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	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	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Urinary Bladder		

MISSING

Esophagus	Parathyroid Gland	Thymus	Thyroid Gland
Trachea			

OBSERVATIONS

Epididymis		Mesothelioma Nos	
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
Lung	Alveolar Epith	Hyperplasia	Adenomatous, Moderate
Lymph Node	Mandibular	Congestion	Moderate
Note: CONGESTION	TGLs = 2-9		
Mammary Gland		Lactation	Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Preputial Gland		Inflammation	Chronic, Focal, Moderate
Note: INFLAMMATION	TGLs = 1-10		
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Hyperplasia	Moderate
		Mesothelioma Nos	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 187	TRT#: 7	SEX: Male	DAY ON TEST: 730
	DOSE: 2500 PPM	DISP: Terminal Sacrifice	HISTO: 880740

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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
Prostate	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Marked
Note: [NEPHROPATHY] TGLs = 1-4			
Liver	Bile Duct	Hyperplasia	Moderate
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Carcinoma	
Note: [CARCINOMA] TGLs = 2-8			
Preputial Gland		Inflammation	Chronic, Minimal
Seminal Vesicle		Atrophy	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 188

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 880741

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Nose		Inflammation	Chronic, Minimal
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 1-8			
Preputial Gland		Inflammation	Chronic, Minimal
Seminal Vesicle		Atrophy	Marked
Spleen		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: [ATROPHY] TGLs = 3-7			
Note: [ADENOMA] TGLs = 2-7			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 189

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 880739

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Parathyroid Gland	Preputial Gland	Prostate	Salivary Glands
Skin	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Intestine Small - Jejunum

OBSERVATIONS

Brain		Compression	Marked
[Compression TGLS = 3-1]			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Marked
Note: [NEPHROPATHY] TGLs = 1-4			
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 2-8			
Seminal Vesicle		Atrophy	Mild
Spleen		Leukemia Mononuclear	
Stomach	Forestomach	Ulcer	Moderate
Testes	Interstitial Cell	Adenoma	
	Seminif Tub	Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:48

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 190

TRT#: 7

SEX: Male

DAY ON TEST: 659

DOSE: 2500 PPM

DISP: Moribund

HISTO: 880742

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Intestine Large - Cecum
Intestine Small - Ileum
Parathyroid Gland
Skin
Urinary Bladder

Bone
Intestine Large - Colon
Intestine Small - Jejunum
Preputial Gland
Stomach - Glandular

Epididymis
Intestine Large - Rectum
Islets, Pancreatic
Prostate
Thyroid Gland

Esophagus
Intestine Small - Duodenum
Nose
Salivary Glands
Trachea

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland
Blood
Bone Marrow
Brain
[Hemorrhage TGLS = 8-1,9-1,11-1]
Heart
Kidney

Medulla

Hyperplasia
Leukemia Mononuclear
Hyperplasia
Hemorrhage
Leukemia Mononuclear
Leukemia Mononuclear
Nephropathy

Focal, Mild
Marked
Focal, Moderate

Note: [LEUKEMIA MONUC] TGLs = 13-4,14-4
Liver

Bile Duct

Fatty Change
Hyperplasia
Leukemia Mononuclear
Necrosis

Mild
Marked
Focal, Moderate

Note: [NECROSIS] TGLs = 15-6
Note: [LEUKEMIA MONUC] TGLs = 5-6

Lung
[Leukemia Mononuclear TGLS = 7-3,12-3]

Leukemia Mononuclear

Lymph Node
Mandibular
Mediastinal
Mesenteric

Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 6-3]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 190

TRT#: 7

SEX: Male

DAY ON TEST: 659

DOSE: 2500 PPM

DISP: Moribund

HISTO: 880742

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4-8]

[Leukemia Mononuclear TGLS = 17-9]

Pancreas

Leukemia Mononuclear

Pituitary Gland

Leukemia Mononuclear

Note: [LEUKEMIA MONUC] TGLs = 10-8

Seminal Vesicle

Leukemia Mononuclear

Spleen

Fibrosis

Moderate

Leukemia Mononuclear

Note: [LEUKEMIA MONUC] TGLs = 1-3.1

Note: [FIBROSIS] TGLs = 2-3.1

Stomach

Forestomach

Ulcer

Marked

Note: [ULCER] TGLs = 18-5.1,3-5.1

Testes

Seminif Tub

Atrophy

Moderate

Note: [ATROPHY] TGLs = 16-7

Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 191

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 880745

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Parathyroid Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea			

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
[Nephropathy TGLS = 1-4]			
Liver		Clear Cell Focus	
Note: [CLEAR CL FOCUS] TGLs = 5-6	Bile Duct	Hyperplasia	Moderate
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Fibrosis	Moderate
Note: [FIBROSIS] TGLs = 2-3			
Testes	Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 3-7			
Urinary Bladder		Cyst	
Note: [CYST] TGLs = 4-9			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 192

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 880746

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Parathyroid Gland	Preputial Gland
Prostate	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Mild
Nose		Inflammation	Chronic, Moderate
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Seminal Vesicle		Atrophy	Marked
Skin		Hemangioma	
Note: [HEMANGIOMA] TGLs = 2-13			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 1-7			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 193

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 880743

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mammary Gland	Pancreas	Parathyroid Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Pituitary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Leukemia Mononuclear	
Heart		Leukemia Mononuclear	
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 3-6			
Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-2]			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Nose		Inflammation	Chronic, Mild
Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3.1]			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 194

TRT#: 7

SEX: Male

DAY ON TEST: 726

DOSE: 2500 PPM

DISP: Dead

HISTO: 880747

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Lung
Lymph Node - Mesenteric	Mammary Gland	Pancreas	Parathyroid Gland
Prostate	Salivary Glands	Seminal Vesicle	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea			

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Urinary Bladder	

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Moderate
Lymph Node	Mandibular	Congestion	Moderate
Note: [CONGESTION] TGLs = 2-9			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Chronic, Minimal
Skin		Fibroma	
Note: [FIBROMA] TGLs = 1-13			
Testes	Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 3-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 195

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 880744

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Parathyroid Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
Note: [CLEAR CL FOCUS] TGLs = 2-6.1			
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Angiectasis	Moderate
Preputial Gland		Inflammation	Chronic, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:48

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 196

TRT#: 7

SEX: Male

DAY ON TEST: 452

DOSE: 2500 PPM

DISP: Interval Sacrifice

HISTO: 870985

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	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
Pancreas	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

INSUFFICIENT TISSUE

Adrenal Gland - Medulla

OBSERVATIONS

Eye		Cataract	Mild
Note: CATARACT	TGLs = 1-13		
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Minimal
Liver		Granuloma	Mild
Note: GRANULOMA	TGLs = 2-3		
Mammary Gland		Lactation	Minimal
Nose		Inflammation	Chronic, Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 3-8		
Spleen		Hematopoietic Cell Proliferation	Minimal
Testes	Bilateral, Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 197

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 880748

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	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
Prostate	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Moderate
Nose		Inflammation	Chronic, Mild
Preputial Gland		Inflammation	Chronic, Minimal
Seminal Vesicle		Atrophy	Marked
Skin		Basal Cell Carcinoma	
Note: [BASAL CEL CARC] TGLs = 1-13			
Spleen		Fibrosis	Marked
[Fibrosis TGLS = 2-3]			
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: [ADENOMA] TGLs = 4-7			
Note: [ATROPHY] TGLs = 3-7			
Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 198

TRT#: 7

SEX: Male

DAY ON TEST: 452

DOSE: 2500 PPM

DISP: Interval Sacrifice

HISTO: 870986

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
Note: FATTY CHANGE TGLs = 2-3			
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 1-13			
Nose		Inflammation	Chronic, Focal, Mild
Prostate		Hyperplasia	Mild
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 199

TRT#: 7

SEX: Male

DAY ON TEST: 564

DOSE: 2500 PPM

DISP: Moribund

HISTO: 880750

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	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	Preputial Gland	Prostate	Salivary Glands
Stomach - Forestomach	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Kidney		Mineralization	Moderate
		Nephropathy	Mild
	[Nephropathy TGLS = 5-4]		
Liver	Bile Duct	Hyperplasia	Minimal
		Necrosis	Focal, Minimal
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Seminal Vesicle		Atrophy	Moderate
Skin		Fibrosarcoma	
	Note: [FIBROSARC] TGLs = 1-13		
Spleen		Hematopoietic Cell Proliferation	Marked
	[Hematopoietic Cell Proliferation TGLS = 4-3]		
Stomach	Glandular	Mineralization	Mild
Testes	Interstit Cell	Adenoma	
	Note: [ADENOMA] TGLs = 3-7		
	Note: RT NORMAL TESTIS LOOKS SMALL COMPARED TO LEFT WITH TUMOR		
Thyroid Gland	C Cell	Carcinoma	
	Note: [CARCINOMA] TGLs = 6-8		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:48

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 200

TRT#: 7

SEX: Male

DAY ON TEST: 620

DOSE: 2500 PPM

DISP: Moribund

HISTO: 880749

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Brain		Compression	Moderate
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Marked
Liver	Bile Duct	Hyperplasia	Moderate
Lymph Node	Mesenteric	Hyperplasia	Moderate
Note: [HYPERPLASIA] TGLs = 2-8			
Mammary Gland		Galactocele	
Note: [GALACTOCELE] TGLs = 1-13			
Mesentery			
Note: TISSUE SUBMITTED AS AXILLARY MESENTERY IS MAMMARY GLAND			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Carcinoma	
Note: [CARCINOMA] TGLs = 3-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 201	TRT#: 7	SEX: Male	DAY ON TEST: 669
	DOSE: 2500 PPM	DISP: Dead	HISTO: 880754

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	Esophagus	Islets, Pancreatic	Mammary Gland
Parathyroid Gland	Preputial Gland	Prostate	Salivary Glands
Stomach - Forestomach	Thymus	Thyroid Gland	Trachea

AUTO PRECLUDES DIAG.

Bone Marrow	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Kidney
Lymph Node - Mesenteric	Pituitary Gland	Spleen	Stomach - Glandular
Urinary Bladder			

OBSERVATIONS

Heart		Cardiomyopathy	Moderate
Liver		Fatty Change	Moderate
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 3+4-6			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 1-9			
Nose		Fungus	Moderate
		Inflammation	Acute, Moderate
Pancreas	Acinus	Atrophy	Mild
Seminal Vesicle		Atrophy	Mild
Skin		Hyperkeratosis	Marked
Note: [HYPERKERATOSIS] TGLs = 6-13			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 5-7			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 202

TRT#: 7

SEX: Male

DAY ON TEST: 453

DOSE: 2500 PPM

DISP: Interval Sacrifice

HISTO: 870987

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Parathyroid Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea

OBSERVATIONS

Eye		Cataract	Marked
Note: CATARACT	TGLs = 1+2-13		
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Minimal
Nose		Inflammation	Chronic, Focal, Mild
Pancreas	Acinus	Atrophy	Focal, Marked
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Preputial Gland		Cyst	
		Inflammation	Acute, Focal, Mild
Note: INFLAMMATION	TGLs = 4-10		
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Hyperplasia	Mild
Urinary Bladder		Hemorrhage	Focal, Minimal
Note: HEMORRHAGE	TGLs = 3-9		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:48

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 203

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 880753

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Islets, Pancreatic
Pancreas
Salivary Glands
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Epididymis
Intestine Small - Duodenum
Lung
Parathyroid Gland
Seminal Vesicle
Thymus

Bone
Esophagus
Intestine Small - Ileum
Lymph Node - Mandibular
Preputial Gland
Spleen
Thyroid Gland

Bone Marrow
Intestine Large - Cecum
Intestine Small - Jejunum
Lymph Node - Mesenteric
Prostate
Stomach - Forestomach
Trachea

MISSING

Mammary Gland

Skin

OBSERVATIONS

Heart
Intestine Large
Kidney
Liver

Rectum
Bile Duct

Cardiomyopathy
Parasite Metazoan
Nephropathy
Hyperplasia
Leukemia Mononuclear
Inflammation
Adenoma
Adenoma

Mild
Mild
Moderate
Minimal
Chronic, Mild

Nose
Pituitary Gland
Testes

Pars Distalis
Bilateral, Interstit Cell

Note: [ADENOMA] TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 204

TRT#: 7

SEX: Male

DAY ON TEST: 584

DOSE: 2500 PPM

DISP: Moribund

HISTO: 880751

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	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	Prostate	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Mild
Note: [HDN] TGLs = 7-6.1			
Note: [FATTY CHANGE] TGLs = 2-6			
Lymph Node	Deep Cervical, Lymphatic	Angiectasis	Marked
	Mediastinal	Congestion	Moderate
Note: [CONGESTION] TGLs = 3-3			
Note: [ANGIECTASIS] TGLs = 4-14			
Mesentery			
Note: TISSUE SUBMITTED AS MESENTERY, NECK, IS CERVICAL NODE			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 6-8			
Preputial Gland		Inflammation	Acute, Minimal
Seminal Vesicle		Atrophy	Mild
Testes	Seminif Tub	Atrophy	Marked
Note: [ATROPHY] TGLs = 1-7			
Zymbal's Gland		Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:48

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 204

TRT#: 7

SEX: Male

DAY ON TEST: 584

DOSE: 2500 PPM

DISP: Moribund

HISTO: 880751

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [CARCINOMA] TGLs = 5-13

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 205

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 880752

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Parathyroid Gland	Pituitary Gland	Preputial Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Brain		Carcinoma	Metastatic (Thyroid Gland)
Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite Metazoan	Moderate
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Minimal
Nose		Inflammation	Chronic, Moderate
Pancreas	Acinus	Atrophy	Mild
Seminal Vesicle		Atrophy	Mild
Testes	Interstitial Cell	Adenoma	
Thyroid Gland	C Cell	Adenoma	
	Follicular Cell	Carcinoma	

Note: [CARCINOMA] TGLs = 1-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 206

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 880759

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Eye Note: [DEGEN] TGLs = 1-13	Retina	Degeneration	Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Minimal
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Mild
Preputial Gland		Inflammation	Acute, Mild
Seminal Vesicle Note: [ATROPHY] TGLs = 4-7		Atrophy	Mild
Skin Note: [BASAL CEL CARC] TGLs = 2-14		Basal Cell Carcinoma	
Testes Note: [ADENOMA] TGLs = 3-7	Bilateral, Interstit Cell	Adenoma	
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 207

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 880760

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Intestine Large	Cecum	Parasite Metazoan	Mild
Kidney		Nephropathy	Mild
Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Moderate
Note: [HDN] TGLs = 1-6			
Nose		Inflammation	Chronic, Moderate
Pancreas	Artery	Inflammation	Chronic, Marked
Preputial Gland		Inflammation	Chronic, Mild
Seminal Vesicle		Atrophy	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: [ATROPHY] TGLs = 3-7			
Note: [ADENOMA] TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:48

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 208

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 880761

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Pituitary Gland	Preputial Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

MISSING

Parathyroid Gland	Prostate
-------------------	----------

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Brain		Astrocytoma Malignant	
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Marked
Seminal Vesicle		Atrophy	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:48

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 209

TRT#: 7

SEX: Male

DAY ON TEST: 312

DOSE: 2500 PPM

DISP: Moribund

HISTO: 870965

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Pancreas	Parathyroid Gland	Pituitary Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Kidney		Congestion	Mild
Note: CONGESTION	TGLs = 7-4		
Liver		Congestion	Moderate
Lung		Congestion	Mild
Note: CONGESTION	TGLs = 8-1+2		
Mammary Gland		Lactation	Minimal
Nose		Inflammation	Chronic, Mild
Spleen		Congestion	Moderate
		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:48

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 210

TRT#: 7

SEX: Male

DAY ON TEST: 397

DOSE: 2500 PPM

DISP: Moribund

HISTO: 870966

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Liver	Lung	Lymph Node - Mesenteric	Parathyroid Gland
Prostate	Salivary Glands	Seminal Vesicle	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Thymus

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Intestine Large	Cecum	Parasite Metazoan	Mild
	Rectum	Parasite Metazoan	Mild
Kidney		Congestion	Mild
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Marked
Note: INFILTRAT CELL TGLs = 4-9.1			
Mammary Gland		Lactation	Minimal
Nose		Fungus	Marked
		Inflammation	Acute, Moderate
Pancreas	Acinus	Atrophy	Marked
Preputial Gland	Duct	Ectasia	Moderate
Note: ECTASIA TGLs = 5-10			
Skin		Ulcer	Marked
Note: ULCER TGLs = 3-13			
Spleen		Congestion	Moderate
		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 211

TRT#: 7

SEX: Male

DAY ON TEST: 681

DOSE: 2500 PPM

DISP: Moribund

HISTO: 880762

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Epididymis
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mammary Gland	Parathyroid Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Moderate
Blood		Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Intestine Large	Rectum	Ulcer	Marked
Kidney		Nephropathy	Marked
Liver		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
Note: [FATTY CHANGE] TGLs = 5-6			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: TISSUE SUBMITTED AS PANCREATIC LN IS LARGE ARTERY TGL 3			
Note: [LEUKEMIA MONUC] TGLs = 4-8			
Nose		Inflammation	Chronic, Mild
Pancreas	Artery	Inflammation	Chronic, Mild
Note: [INFLAMMATION] TGLs = 3-9			
Pituitary Gland		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 6-8			
Spleen		Cyst	
		Fibrosis	Moderate
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 211

TRT#: 7

SEX: Male

DAY ON TEST: 681

DOSE: 2500 PPM

DISP: Moribund

HISTO: 880762

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [CYST] TGLs = 1-3.1
[Cyst TGLS = 2-3.1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 212

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 880763

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Moderate
Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 2-6			
Lung		Leukemia Mononuclear	
Nose		Fungus	Marked
		Inflammation	Acute, Marked
Pancreas	Acinus	Atrophy	Mild
Seminal Vesicle		Atrophy	Moderate
Spleen		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 1-3.1			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 3-7			
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 213

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 880764

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Kidney		Nephropathy	Moderate
Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	Two
	Bile Duct	Hyperplasia	Moderate
Note: [CLEAR CL FOCUS] TGLs = 5-6.2			
Note: [HDN] TGLs = 2+3-6.1			
Lung	Alveolar Epith	Metaplasia	Marked
Mesentery	Fat	Necrosis	Marked
Note: [NECROSIS] TGLs = 1-13			
Nose		Inflammation	Chronic, Moderate
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 4-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 214

TRT#: 7

SEX: Male

DAY ON TEST: 520

DOSE: 2500 PPM

DISP: Dead

HISTO: 880765

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Parathyroid Gland	Prostate	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

AUTO PRECLUDES DIAG.

Intestine Large - Cecum Intestine Small - Ileum

OBSERVATIONS

Brain		Hemorrhage	Focal, Mild
[Hemorrhage TGLS = 10-1]			
Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Congestion	Moderate
		Nephropathy	Minimal
[Nephropathy TGLS = 4-4]			
Liver	Bile Duct	Hyperplasia	Moderate
Lung		Congestion	Moderate
[Congestion TGLS = 7-2]			
Lymph Node	Pancreatic	Hemorrhage	Marked
Note: [HEMORRHAGE] TGLs = 3-9			
Nose		Congestion	Marked
Pancreas		Congestion	Mild
Note: [CONGESTION] TGLs = 2-9			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 9-8			
Preputial Gland		Inflammation	Chronic, Minimal
Seminal Vesicle		Dilatation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 214

TRT#: 7

SEX: Male

DAY ON TEST: 520

DOSE: 2500 PPM

DISP: Dead

HISTO: 880765

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [DILATATION] TGLs = 11-7

Spleen	Congestion	Moderate
--------	------------	----------

[Congestion TGLS = 1-3]

Thymus	Congestion	Moderate
--------	------------	----------

[Congestion TGLS = 6-3]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 215

TRT#: 7

SEX: Male

DAY ON TEST: 452

DOSE: 2500 PPM

DISP: Interval Sacrifice

HISTO: 870988

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Kidney		Nephropathy	Mild
Lymph Node			
Note: MEDIASTINAL LN APPEARS NORMAL			
Nose		Inflammation	Chronic, Focal, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1-6 2-6.1			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:48

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 216

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 880770

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Lung
Lymph Node - Mesenteric	Mammary Gland	Pancreas	Parathyroid Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Stomach - Forestomach

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Moderate
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Fatty Change	Minimal
		Hyperplasia	Mild
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 2-6			
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Marked
Note: [INFILTRAT CELL] TGLs = 4-9			
Nose		Inflammation	Acute, Mild
		Inflammation	Chronic, Marked
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 3-8			
Spleen		Fibrosis	Marked
		Leukemia Mononuclear	

[Fibrosis TGLS = 1-3.1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 217

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 880769

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Marked
[Nephropathy TGLS = 2-4]			
Liver	Bile Duct	Hyperplasia	Moderate
Note: [HYPERPLASIA] TGLs = 3-6			
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Marked
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
Preputial Gland		Inflammation	Chronic, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 1+4-7			
Note: RT TESTIS LOOKS SMALL BECAUSE TUMOR IS SMALLER THAN LEFT			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 218

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 880767

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite Metazoan	Moderate
Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 3-4]			
Liver	Bile Duct	Hyperplasia	Mild
Nose		Inflammation	Acute, Minimal
		Inflammation	Chronic, Mild
Pancreas	Acinus	Adenoma	
Note: [ADENOMA] TGLs = 2-5			
Preputial Gland		Inflammation	Chronic, Mild
Note: [INFLAMMATION] TGLs = 4-10			
Testes	Interstitial Cell	Adenoma	
Note: [ADENOMA] TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 219

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 880766

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Marked
Kidney		Nephropathy	Marked
[Nephropathy TGLS = 2-4]			
Liver		Basophilic Focus	
		Developmental Malformation	
Note: [DEVELOP MALFOR] TGLs = 3-6	Bile Duct	Hyperplasia	Moderate
Nose		Inflammation	Chronic, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
Note: [ADENOMA] TGLs = 4-8			
Seminal Vesicle		Atrophy	Moderate
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: [ADENOMA] TGLs = 5-7			
Note: [ATROPHY] TGLs = 1-7			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:48

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 220

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 880768

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Pancreas	Parathyroid Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Spleen	Stomach - Forestomach
Thymus	Trachea	Urinary Bladder	

INSUFFICIENT TISSUE

Stomach - Glandular

OBSERVATIONS

Heart		Cardiomyopathy	Moderate
Intestine Large	Colon	Parasite Metazoan	Mild
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Marked
Liver	Bile Duct	Hyperplasia	Mild
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 1-8			
Skin		Abscess	Marked
		Cyst Epithelial Inclusion	
Note: [ABSCESS] TGLs = 3-14			
Note: [CYST EPITH INC] TGLs = 2-13			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 4-7			
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 221

TRT#: 7

SEX: Male

DAY ON TEST: 453

DOSE: 2500 PPM

DISP: Interval Sacrifice

HISTO: 870989

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Kidney	Lung
Lymph Node - Mesenteric	Mammary Gland	Pancreas	Pituitary Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland

OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Liver	Bile Duct	Hyperplasia	Mild
Lymph Node	Mandibular	Congestion	Minimal
Nose		Inflammation	Chronic, Focal, Mild
Spleen		Hematopoietic Cell Proliferation	Minimal
Testes	Interstit Cell	Adenoma	

Note: ADENOMA TGLs = 2-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 222

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 880773

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Marked
Liver	Bile Duct	Hyperplasia	Mild
Nose		Inflammation	Chronic, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Seminal Vesicle		Atrophy	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 1-7			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 223

TRT#: 7

SEX: Male

DAY ON TEST: 601

DOSE: 2500 PPM

DISP: Moribund

HISTO: 880771

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Marked
Liver	Bile Duct	Hyperplasia	Mild
Nose		Inflammation	Acute, Mild
		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 1-8			
Preputial Gland		Inflammation	Chronic, Minimal
Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 224

TRT#: 7

SEX: Male

DAY ON TEST: 564

DOSE: 2500 PPM

DISP: Moribund

HISTO: 880772

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Prostate	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Blood		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 1-13			
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 6-6			
Lung		Leukemia Mononuclear	
Lymph Node	Mesenteric	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 5-8			
Preputial Gland		Inflammation	Chronic, Minimal
Seminal Vesicle		Atrophy	Mild
Spleen	Capsule	Fibrosis	Mild
		Leukemia Mononuclear	
Note: [FIBROSIS] TGLs = 3-3.1			
Note: [LEUKEMIA MONUC] TGLs = 4-3.1			
Testes	Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 2-7			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 224

TRT#: 7

SEX: Male

DAY ON TEST: 564

DOSE: 2500 PPM

DISP: Moribund

HISTO: 880772

ORGAN AND ACCOUNTABLE SITE STATUS

Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 225

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 880774

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Moderate
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Mild
Nose		Inflammation	Chronic, Mild
Preputial Gland		Carcinoma	
Note: [CARCINOMA] TGLs = 1-10.1			
Seminal Vesicle		Atrophy	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 226

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 880776

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Mammary Gland	Pancreas
Parathyroid Gland	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Trachea

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Moderate
Heart		Cardiomyopathy	Moderate
Intestine Large	Colon	Parasite Metazoan	Moderate
Kidney		Nephropathy	Marked
[Nephropathy TGLS = 2-4]			
Liver	Bile Duct	Hyperplasia	Mild
Lymph Node	Lymphatic, Mesenteric	Angiectasis	Marked
Note: [ANGIECTASIS] TGLs = 5-8			
Nose		Inflammation	Chronic, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 3-8			
Thyroid Gland	C Cell	Adenoma	
Note: [ADENOMA] TGLs = 1-8			
Urinary Bladder	Transit Epithe	Papilloma	
Note: [PAPILLOMA] TGLs = 4-9			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 227

TRT#: 7

SEX: Male

DAY ON TEST: 674

DOSE: 2500 PPM

DISP: Moribund

HISTO: 880778

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Mammary Gland	Skin
Stomach - Forestomach	Trachea		

MISSING

Islets, Pancreatic

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Blood		Leukemia Mononuclear	
Bone		Hyperostosis	
Note: [HYPEROSTOSIS] TGLs = 21-13			
Bone Marrow		Leukemia Mononuclear	
Heart		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
[Nephropathy TGLS = 18-4+4.1]			
Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: [FATTY CHANGE] TGLs = 19-6.1			
Note: [LEUKEMIA MONUC] TGLs = 9-6			
Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10+17-2.1]			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 4-9.2			
Note: RENAL & LUMBAR LN NOT FOUND AT TRIMMING.			
Note: MEDIASTINAL LN MERGED WITH OTHER TISSUES. TGL 8,12,14			
Note: [LEUKEMIA MONUC] TGLs = 1-9			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:48

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 227

TRT#: 7

SEX: Male

DAY ON TEST: 674

DOSE: 2500 PPM

DISP: Moribund

HISTO: 880778

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [LEUKEMIA MONUC] TGLs = 7-8

Nose	Leukemia Mononuclear
Pancreas	Leukemia Mononuclear
Parathyroid Gland	Leukemia Mononuclear
Pituitary Gland	Leukemia Mononuclear

Note: [LEUKEMIA MONUC] TGLs = 15-8

Preputial Gland	Leukemia Mononuclear	
Prostate	Leukemia Mononuclear	
Salivary Glands	Leukemia Mononuclear	
Seminal Vesicle	Atrophy	Marked
Spleen	Fibrosis	Moderate
	Leukemia Mononuclear	

[Fibrosis TGLS = 3-3.1]

[Leukemia Mononuclear TGLS = 2-3.1]

Stomach	Glandular	Leukemia Mononuclear
---------	-----------	----------------------

Note: [LEUKEMIA MONUC] TGLs = 20-5

Testes	Bilateral, Interstit Cell	Adenoma
--------	---------------------------	---------

Note: RT TESTIS LOOKS SMALL BECAUSE TUMOR IS SMALL TGL 6

Note: [ADENOMA] TGLs = 6+16-7

Thymus	Leukemia Mononuclear
--------	----------------------

[Leukemia Mononuclear TGLS = 11-3]

Thyroid Gland	Leukemia Mononuclear
---------------	----------------------

Note: [LEUKEMIA MONUC] TGLs = 13-8

Urinary Bladder	Leukemia Mononuclear
-----------------	----------------------

Note: [LEUKEMIA MONUC] TGLs = 5-9.1

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 228

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 880775

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland Skin

OBSERVATIONS

Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Granuloma	Marked
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Focal, Moderate
Note: [HYPERPLASIA] TGLs = 5-6.1			
Note: [GRANULOMA] TGLs = 4-6+6.1			
Mesentery	Fat	Necrosis	Moderate
Note: [NECROSIS] TGLs = 2-13			
Nose		Inflammation	Chronic, Mild
Preputial Gland		Abscess	Moderate
Note: [ABSCESS] TGLs = 1-10			
Seminal Vesicle		Atrophy	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 3-7			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 229

TRT#: 7

SEX: Male

DAY ON TEST: 453

DOSE: 2500 PPM

DISP: Interval Sacrifice

HISTO: 870990

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
Note: FATTY CHANGE TGLs = 2-3			
Lymph Node	Mandibular	Congestion	Mild
Note: CONGESTION TGLs = 1-9			
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA TGLs = 3-6			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 230

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 880777

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Intestine Large	Colon	Parasite Metazoan	Moderate
Kidney		Nephropathy	Moderate
Note: [NEPHROPATHY] TGLs = 1-4			
Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
Note: [CLEAR CL FOCUS] TGLs = 6-6.1			
Nose		Inflammation	Chronic, Moderate
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Cyst	
Note: [CYST] TGLs = 2-8			
Seminal Vesicle		Atrophy	Marked
Spleen		Fibrosis	Mild
[Fibrosis TGLS = 4-3]			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 3-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 231

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 880781

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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	Parathyroid Gland	Pituitary Gland
Preputial Gland	Prostate	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
Bone Marrow		Hyperplasia	Marked
Eye		Cataract	Mild
	Retina	Degeneration	Marked
		Hemorrhage	Marked
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 3-6			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Angiectasis	Moderate
	Mandibular	Leukemia Mononuclear	
Note: [ANGIECTASIS] TGLs = 1-9			
Nose		Inflammation	Chronic, Moderate
Pancreas	Acinus	Atrophy	Marked
Seminal Vesicle		Atrophy	Moderate
Spleen		Fibrosis	Minimal
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 2-3.1			
Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 232

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 880782

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Marked
[Nephropathy TGLS = 3-7]			
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
Nose		Inflammation	Chronic, Moderate
Pancreas	Artery	Inflammation	Chronic, Marked
Seminal Vesicle		Atrophy	Marked
Note: [ATROPHY] TGLs = 2-7			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 233

TRT#: 7

SEX: Male

DAY ON TEST: 675

DOSE: 2500 PPM

DISP: Moribund

HISTO: 880779

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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 - Mesenteric	Parathyroid Gland	Peripheral Nerve	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spinal Cord	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea		

MISSING

Mammary Gland

OBSERVATIONS

Blood		Leukemia Mononuclear	
Bone Marrow		Hyperplasia	Mild
Brain		Hemorrhage	Focal, Marked
Note: [HEMORRHAGE] TGLs = 6+7-1			
Eye	Retina	Degeneration	Marked
Note: [DEGEN] TGLs = 11-13			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Note: [NEPHROPATHY] TGLs = 8-4			
Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 9-6			
Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-2]			
Lymph Node	Mandibular	Leukemia Mononuclear	
Nose		Fungus	Moderate
		Inflammation	Acute, Marked
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 233

TRT#: 7

SEX: Male

DAY ON TEST: 675

DOSE: 2500 PPM

DISP: Moribund

HISTO: 880779

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [LEUKEMIA MONUC] TGLs = 4-8
Spleen

Infarct
Leukemia Mononuclear

Mild

[Infarct TGLS = 1-3]

Stomach Forestomach

Acanthosis

Moderate

Note: [ACANTHOSIS] TGLs = 10-5

Urinary Bladder

Leukemia Mononuclear

Note: [LEUKEMIA MONUC] TGLs = 3-9.1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 234

TRT#: 7

SEX: Male

DAY ON TEST: 452

DOSE: 2500 PPM

DISP: Interval Sacrifice

HISTO: 870991

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
Note: FATTY CHANGE	TGLs = 1-3		
Nose		Inflammation	Chronic, Focal, Minimal
Pancreas	Acinus	Atrophy	Focal, Minimal
Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 235

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 880780

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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 - Mesenteric
Mammary Gland	Pancreas	Parathyroid Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Marked
Liver	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Hyperplasia	Focal, Moderate
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 3-6			
Lymph Node	Mandibular	Angiectasis	Mild
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 4-8			
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3]			
Testes	Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 1-7			
Thyroid Gland	C Cell	Adenoma	Two

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:48
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 236

TRT#: 7

SEX: Male

DAY ON TEST: 615

DOSE: 2500 PPM

DISP: Moribund

HISTO: 880786

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	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	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
Lymph Node	Lymphatic, Mesenteric	Angiectasis	Mild
Note: [ANGIECTASIS] TGLs = 1-8			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 3-8			
Spleen		Hematopoietic Cell Proliferation	Moderate
Zymbal's Gland		Carcinoma	
Note: [CARCINOMA] TGLs = 2-13			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 237

TRT#: 7

SEX: Male

DAY ON TEST: 633

DOSE: 2500 PPM

DISP: Moribund

HISTO: 880785

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Mammary Gland
Parathyroid Gland	Prostate	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Moderate
	Cortex	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 5-8			
Blood		Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Adenoma	
Note: [ADENOMA] TGLs = 4-9			
Kidney		Nephropathy	Mild
Liver		Fatty Change	Moderate
	Hepatocyte	Hepatodiaphragmatic Nodule	
		Hyperplasia	Focal, Moderate
		Leukemia Mononuclear	
Note: [HYPERPLASIA] TGLs = 9-6.1			
Note: [HDN] TGLs = 10-6.1			
Lung		Fungus	Moderate
		Leukemia Mononuclear	
Note: [FUNGUS] TGLs = 8-2			
		[Leukemia Mononuclear TGLS = 7-2]	
Lymph Node	Lymphatic, Mediastinal	Angiectasis	Moderate
	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
[Angiectasis TGLS = 6-3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 237

TRT#: 7

SEX: Male

DAY ON TEST: 633

DOSE: 2500 PPM

DISP: Moribund

HISTO: 880785

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3-8]

Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Preputial Gland		Congestion	Mild
Note: [CONGESTION] TGLs = 1-10			
Seminal Vesicle		Atrophy	Moderate
Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 2-3.1			
Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 238

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 880783

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart		Cardiomyopathy	Moderate
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Cyst	
		Nephropathy	Mild
Note: [CYST] TGLs = 3-7			
Liver		Fatty Change	Minimal
		Granuloma	Mild
	Bile Duct	Hyperplasia	Mild
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Adenoma	
Pituitary Gland	Pars Distalis	Cyst	
Prostate		Hyperplasia	Focal, Mild
Seminal Vesicle		Atrophy	Marked
Note: [ATROPHY] TGLs = 2-7			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 1-7			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 239

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 880784

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Moderate
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Marked
Note: [NEPHROPATHY] TGLs = 3-4			
Liver	Bile Duct	Hyperplasia	Mild
Lymph Node	Lymphatic, Mandibular	Angiectasis	Marked
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Adenoma	
	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Marked
Seminal Vesicle		Atrophy	Mild
Spleen		Fibrosis	Mild
[Fibrosis TGLS = 2-3]			
Testes	Interstitial Cell	Adenoma	
Note: [ADENOMA] TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 240

TRT#: 7

SEX: Male

DAY ON TEST: 452

DOSE: 2500 PPM

DISP: Interval Sacrifice

HISTO: 870992

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Parathyroid Gland	Preputial Gland
Prostate	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Minimal
Lung		Congestion	Mild
Note: CONGESTION	TGLs = 2-1		
Nose		Inflammation	Chronic, Focal, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
Seminal Vesicle		Fibrosis	Minimal
Note: [FIBROSIS]	TGLs = 4-6.1		
Spleen		Pigmentation	Hemosiderin, Mild
Testes	Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 3-6		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 256

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Moribund

DAY ON TEST: 658
HISTO: 880946

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	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	Ovary	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Blood		Leukemia Mononuclear	
Bone		Hyperostosis	Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver		Angiectasis	Marked
		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 5-6			
Note: [ANGIECTASIS] TGLs = 3-6.1			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	
Note: [FIBROADENOMA] TGLs = 1-13			
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 4-8			
Spleen		Leukemia Mononuclear	
Uterus			
Note: MASS (TGL 2) IS NORMAL CERVIX			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 257

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 745
HISTO: 880944

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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
Lung	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
Blood		Leukemia Mononuclear	
Brain		Carcinoma	Metastatic (Uncertain Primary Site)
		Compression	Marked
Heart		Cardiomyopathy	Moderate
Note: [CARDIOMYOPATHY] TGLs = 4-6			
Kidney		Nephropathy	Marked
Liver		Fatty Change	Minimal
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 3-6			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Adenocarcinoma	
Note: [ADENOCARC] TGLs = 1-13			
Pituitary Gland	Pars Distalis	Carcinoma	
Note: [CARCINOMA] TGLs = 5-8			
Spleen		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 2-3.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 258

TRT#: 2

SEX: Female

DAY ON TEST: 745

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 880943

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	Brain	Clitoral Gland	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary	Parathyroid Gland
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder	Uterus	

MISSING

Thymus

OBSERVATIONS

Intestine Large	Rectum	Parasite Metazoan	Marked
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Clear Cell Focus	
Note: [CLEAR CL FOCUS] TGLs = 6-13.1			
Mammary Gland		Fibroadenoma	
Note: [FIBROADENOMA] TGLs = 2-10			
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Mild
Note: [ATROPHY] TGLs = 4-9			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
Skin		Fibroma	
Note: [FIBROMA] TGLs = 1-13			
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:49

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 259

TRT#: 2

SEX: Female

DAY ON TEST: 745

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 880947

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Lung

Lymph Node - Mandibular

Lymph Node - Mesenteric

Mammary Gland

Nose

Ovary

Pancreas

Parathyroid Gland

Salivary Glands

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Trachea

Urinary Bladder

OBSERVATIONS

Clitoral Gland

Cyst

Note: [CYST] TGLs = 4-10

Heart

Cardiomyopathy

Mild

Intestine Large

Rectum

Parasite Metazoan

Marked

Kidney

Nephropathy

Mild

Liver

Basophilic Focus

Note: [BASOPH FOCUS] TGLs = 3-6

Pituitary Gland

Pars Distalis

Hyperplasia

Focal, Mild

Note: [HYPERPLASIA] TGLs = 1-8

Thyroid Gland

C Cell

Adenoma

Moderate

C Cell

Hyperplasia

Uterus

Polyp Stromal

Note: [POLYP STROMAL] TGLs = 2-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 260

TRT#: 2

SEX: Female

DAY ON TEST: 634

DOSE: 0 PPM

DISP: Moribund

HISTO: 880945

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Blood		Leukemia Mononuclear	
Bone Marrow		Hyperplasia	Mild
Brain		Compression	Marked
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Fatty Change	Minimal
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 3-6			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: PANCREATIC LN NOT SUBMITTED TGL 2			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 4-8			
Spleen		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 1-3.1			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 261

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 745
HISTO: 880949

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood	Bone	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

MISSING

Mammary Gland Skin

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	Two
Bone Marrow		Hyperplasia	Mild
Clitoral Gland		Carcinoma	Two
Note: [CARCINOMA] TGLs = 1-10			
Kidney		Fibrosis	Focal, Marked
Note: [FIBROSIS] TGLs = 4-4.1		Nephropathy	Mild
Liver		Basophilic Focus	
Note: [BASOPH FOCUS] TGLs = 5-6		Clear Cell Focus	
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 3-8			
Thyroid Gland	C Cell	Adenoma	
Uterus		Polyp Stromal	
Note: [POLYP STROMAL] TGLs = 2-7			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 262

TRT#: 2

SEX: Female

DAY ON TEST: 687

DOSE: 0 PPM

DISP: Moribund

HISTO: 880948

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Brain	Clitoral Gland	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Ovary
Parathyroid Gland	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Minimal
Note: [BASOPH FOCUS] TGLs = 6-6.1			
Mesentery	Fat	Necrosis	Moderate
Note: [NECROSIS] TGLs = 2-14			
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 5-8			
Skin		Fibrosarcoma	
Note: [FIBROSARC] TGLs = 1-13			
Spleen		Hematopoietic Cell Proliferation	Mild
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 263	TRT#: 2	SEX: Female	DAY ON TEST: 458
	DOSE: 0 PPM	DISP: Interval Sacrifice	HISTO: 870998

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Kidney		Hypertrophy	Moderate
		Nephropathy	Moderate
Note: HYPERTROPHY	TGLs = 1-4		
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
Spleen		Pigmentation	Hemosiderin, Mild
Uterus		Dilatation	Mild

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 264

TRT#: 2

SEX: Female

DAY ON TEST: 745

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 880951

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	Brain	Clitoral Gland	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Intestine Large Note: [ADENOCARC] TGLs = 2-5.1	Colon	Adenocarcinoma	
Liver		Basophilic Focus	
Mammary Gland Note: [FIBROADENOMA] TGLs = 1-13		Leukemia Mononuclear	
Nose		Fibroadenoma	
Pituitary Gland	Pars Distalis	Inflammation	Chronic, Mild
Spleen		Adenoma	
		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:49

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 265

TRT#: 2

SEX: Female

DAY ON TEST: 526

DOSE: 0 PPM

DISP: Moribund

HISTO: 880950

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Brain		Compression	Marked
Clitoral Gland		Cyst	
Note: [CYST] TGLs = 7-10			
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Granuloma	Minimal
		Hepatodiaphragmatic Nodule	
Note: [HDN] TGLs = 5-6.1			
Lymph Node	Renal	Pigmentation	Hemosiderin, Moderate
Note: [PIGMENT] TGLs = 3-13			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 6-8			
Skeletal Muscle		Lipoma	
Note: [LIPOMA] TGLs = 4-14			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 266	TRT#: 2	SEX: Female	DAY ON TEST: 745
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 880954

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood	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	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Granuloma	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 1-8			
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:49

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 267

TRT#: 2

SEX: Female

DAY ON TEST: 745

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 880953

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Mild
Liver		Granuloma	Moderate
	Hepatocyte	Hyperplasia	Focal, Moderate
Note: [HYPERPLASIA] TGLs = 4-6.1			
Mammary Gland		Lactation	Moderate
Note: [LACTATION] TGLs = 1-10			
Nose		Inflammation	Chronic, Mild
Uterus		Dilatation	Moderate
		Polyp Stromal	
Note: [DILATATION] TGLs = 3-7			
Note: [POLYP STROMAL] TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 268

TRT#: 2

SEX: Female

DAY ON TEST: 745

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 880955

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Mammary Gland	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	

Note: [ADENOMA] TGLs = 1-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 269

TRT#: 2

SEX: Female

DAY ON TEST: 745

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 880952

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	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	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Parathyroid Gland	Skin
-------------------	------

OBSERVATIONS

Brain	Compression	Mild
Heart	Cardiomyopathy	Mild
Kidney	Nephropathy	Mild
Liver	Basophilic Focus	
	Granuloma	Minimal
Mammary Gland	Lactation	Marked
Note: [LACTATION] TGLs = 1-13		
Parathyroid GI		
Note: NO PARATHYROID PRESENT ON RECUT		
Pituitary Gland	Pars Distalis	Adenoma
Note: [ADENOMA] TGLs = 2-8		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 270

TRT#: 2

SEX: Female

DAY ON TEST: 745

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 880956

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	Clitoral Gland	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Brain		Carcinoma	Metastatic (Uncertain Primary Site)
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Granuloma	Mild
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Carcinoma	

Note: [CARCINOMA] TGLs = 1-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 271

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Interval Sacrifice

DAY ON TEST: 458
HISTO: 870999

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	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

Intestine Large	Colon	Parasite Metazoan	Mild
Liver		Hepatodiaphragmatic Nodule	Two
Note: HDN TGLs = 1+2-3.1			
Lung		Congestion	Minimal
Note: CONGESTION TGLs = 3-1			
Lymph Node	Mandibular	Congestion	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
Spleen		Pigmentation	Hemosiderin, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 272

TRT#: 2

SEX: Female

DAY ON TEST: 745

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 880959

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	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	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Clitoral Gland		Cyst	
Note: [CYST] TGLs = 1-10			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Clear Cell Focus	
		Granuloma	Minimal
	Bile Duct	Hyperplasia	Minimal
Note: [BASOPH FOCUS] TGLs = 3-6+6.1			
Mammary Gland		Fibroadenoma	
Note: [FIBROADENOMA] TGLs = 2-13			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 273

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 745
HISTO: 880958

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	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	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Ovary	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Clitoral Gland		Carcinoma	
Note: [CARCINOMA] TGLs = 3-10			
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Marked
Liver		Basophilic Focus	
	Hepatocyte	Fatty Change	Mild
Note: [HYPERPLASIA] TGLs = 4-6+6.1		Hyperplasia	Focal, Moderate
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: [GALACTOCELE] TGLs = 1-14			
Note: [FIBROADENOMA] TGLs = 2-13			
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 5-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 274	TRT#: 2	SEX: Female	DAY ON TEST: 698
	DOSE: 0 PPM	DISP: Moribund	HISTO: 880957

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

INSUFFICIENT TISSUE

Ovary

OBSERVATIONS

Kidney		Nephropathy	Moderate
Liver		Granuloma	Mild
Mammary Gland		Lipoma	
Note: [LIPOMA] TGLs = 1-10			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 3-8			
Stomach	Forestomach	Erosion	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 275

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Moribund

DAY ON TEST: 462
HISTO: 880960

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Vagina

MISSING

Mammary Gland	Parathyroid Gland
---------------	-------------------

OBSERVATIONS

Adrenal Gland	Cortex	Congestion	Mild
Note: [CONGESTION] TGLs = 7-8			
Bone Marrow		Hyperplasia	Marked
Eye		Synechia	Mild
Note: PIGMENT PROBABLY BILE. NOT VISIBLE IN SLIDE TGL 2			
Kidney		Pigmentation	Bile, Moderate
Note: [PIGMENT] TGLs = 8-4			
Liver		Fatty Change	Minimal
		Hemorrhage	Mild
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 9-6			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 6-8			
Nose		Inflammation	Chronic, Mild
Spleen		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 5-3.1			
Stomach	Glandular	Inflammation	Chronic, Mild
Uterus		Polyp Stromal	
Note: [POLYP STROMAL] TGLs = 3-7			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 275

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Moribund

DAY ON TEST: 462
HISTO: 880960

ORGAN AND ACCOUNTABLE SITE STATUS

Vagina

Note: VAGINA IN NORMAL SECRETORY PHASE TGL 4

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:49

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 276

TRT#: 2

SEX: Female

DAY ON TEST: 745

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 880961

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Brain	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mesenteric
Ovary	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Moderate
Blood		Leukemia Mononuclear	
Bone		Hyperostosis	Mild
Bone Marrow		Hyperplasia	Mild
Clitoral Gland		Cyst	
Note: [CYST] TGLs = 6-10			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver	Hepatocyte	Hyperplasia	Focal, Moderate
		Leukemia Mononuclear	
Note: [HYPERPLASIA] TGLs = 8-6.1			
Note: [LEUKEMIA MONUC] TGLs = 7-6+6.1			
Lymph Node	Lymphatic, Pancreatic	Angiectasis	Marked
	Mandibular	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: [ANGIECTASIS] TGLs = 4-9			
Nose		Inflammation	Chronic, Moderate
Pancreas	Acinus	Atrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
Note: [ADENOMA] TGLs = 5-8			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 276

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 745
HISTO: 880961

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen

Hyperplasia
Leukemia Mononuclear

Lymphoid, Histiocytic, Marked

Note: [HYPERPLASIA] TGLs = 3-3.1
[Leukemia Mononuclear TGLS = 2-3]

Uterus

Polyp Stromal

Note: [POLYP STROMAL] TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 277

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 745
HISTO: 880963

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	Brain	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	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	

MISSING

Parathyroid Gland

OBSERVATIONS

Clitoral Gland		Cyst	
Note: [CYST] TGLs = 10-10			
Heart		Cardiomyopathy	Mild
Intestine Large	Rectum	Parasite Metazoan	Moderate
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
Note: [BASOPH FOCUS] TGLs = 8-6.1,9-6.2		Hepatodiaphragmatic Nodule	Two
Note: [HDN] TGLs = 4-6.1,3-6.3			
Mammary Gland		Fibroadenoma	
Note: [FIBROADENOMA] TGLs = 1-10.1			
Nose		Fungus	Marked
		Inflammation	Acute, Marked
Pituitary Gland	Pars Distalis	Carcinoma	
Note: [CARCINOMA] TGLs = 5-8			
Uterus		Dilatation	Marked
		Polyp Stromal	Two
Note: [POLYP STROMAL] TGLs = 6+7-7			
Note: [DILATATION] TGLs = 2-7			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 277

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 745
HISTO: 880963

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:49

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 278

TRT#: 2

SEX: Female

DAY ON TEST: 591

DOSE: 0 PPM

DISP: Dead

HISTO: 880964

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Brain

Esophagus

Heart

Intestine Large - Cecum

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Islets, Pancreatic

Lymph Node - Mandibular

Lymph Node - Mesenteric

Mammary Gland

Ovary

Pancreas

Parathyroid Gland

Salivary Glands

Skin

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

Uterus

AUTO PRECLUDES DIAG.

Intestine Small - Jejunum

Urinary Bladder

OBSERVATIONS

Bone Marrow

Hyperplasia

Mild

Clitoral Gland

Cyst

Two

Note: [CYST] TGLs = 4+5-10

Intestine Large

Colon

Parasite Metazoan

Marked

Kidney

Nephropathy

Minimal

Liver

Fatty Change

Moderate

Leukemia Mononuclear

Note: [FATTY CHANGE] TGLs = 2-6

Lung

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3-2+3]

Nose

Inflammation

Chronic, Mild

Pituitary Gland

Pars Distalis

Cyst

Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 1-3.1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 279

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 745
HISTO: 880962

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	Brain	Clitoral Gland	Esophagus
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
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder	Uterus	

MISSING

Thymus

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Intestine Large	Cecum	Parasite Metazoan	Moderate
Kidney		Nephropathy	Moderate
Liver		Basophilic Focus	
	Hepatocyte	Granuloma	Mild
		Hyperplasia	Focal, Moderate
Note: [BASOPH FOCUS] TGLs = 8-6			
Note: [HYPERPLASIA] TGLs = 7-6			
Lymph Node	Mediastinal	Congestion	Moderate
Note: [CONGESTION] TGLs = 3-3			
Nose		Inflammation	Chronic, Mild
Ovary		Cyst	
Note: [CYST] TGLs = 1-7			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 5-8			
Skin		Fibroma	
Note: [FIBROMA] TGLs = 6-13			
Thyroid Gland	C Cell	Adenoma	
	C Cell	Carcinoma	
Note: [CARCINOMA] TGLs = 4-8			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:49

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 279

TRT#: 2

SEX: Female

DAY ON TEST: 745

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 880962

ORGAN AND ACCOUNTABLE SITE STATUS

Uterus

Note: VAGINAL MASS IS SQUAMOUS REACTION TO NORMAL ESTRUS TGL 2

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 280

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Interval Sacrifice

DAY ON TEST: 458
HISTO: 871000

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Eye
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	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

Intestine Large	Rectum	Parasite Metazoan	Mild
Lung		Congestion	Minimal
Note: CONGESTION TGLs = 3+4-2			
Lymph Node	Mandibular	Congestion	Mild
Note: CONGESTION TGLs = 5-9			
Nose		Inflammation	Chronic, Focal, Mild
		Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:49

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 281

TRT#: 2

SEX: Female

DAY ON TEST: 745

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 881063

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Eye Note: [CATARACT] TGLs = 1-13		Cataract	Marked
Kidney		Nephropathy	Minimal
Liver Note: [BASOPH FOCUS] TGLs = 4-6.1		Basophilic Focus	
Nose		Inflammation	Chronic, Mild
Pituitary Gland Note: [ADENOMA] TGLs = 3-8	Pars Distalis	Adenoma	
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:49

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 282

TRT#: 2

SEX: Female

DAY ON TEST: 359

DOSE: 0 PPM

DISP: Dead

HISTO: 870967

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Salivary Glands
Trachea

Adrenal Gland - Medulla
Heart
Skin
Uterus

Bone
Ovary
Stomach - Forestomach

Clitoral Gland
Parathyroid Gland
Thyroid Gland

MISSING

Mammary Gland

AUTO PRECLUDES DIAG.

Eye
Intestine Small - Duodenum
Pancreas

Intestine Large - Cecum
Intestine Small - Ileum
Pituitary Gland

Intestine Large - Colon
Intestine Small - Jejunum
Stomach - Glandular

Intestine Large - Rectum
Islets, Pancreatic
Urinary Bladder

OBSERVATIONS

Bone Marrow
Brain
 Note: HEMORRHAGE TGLs = 9+10-5
Kidney
Liver
 Note: LEUKEMIA MONUC TGLs = 6-3
Lung
Lymph Node

 Note: MEDIASTINAL LN AUTOLYSED
 Note: LEUKEMIA MONUC TGLs = 2-9
 Note: LEUKEMIA MONUC TGLs = 5-9.1
Nose
Spleen
 Note: LEUKEMIA MONUC TGLs = 4-3.1
Thymus
 Note: CONGESTION TGLs = 7-2
Vagina

Mandibular
Mesenteric
Pancreatic

Hyperplasia
Hemorrhage

Leukemia Mononuclear
Leukemia Mononuclear

Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear

Minimal
Focal, Marked

Chronic, Mild

Mild

Acute, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:49

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 282

TRT#: 2

SEX: Female

DAY ON TEST: 359

DOSE: 0 PPM

DISP: Dead

HISTO: 870967

ORGAN AND ACCOUNTABLE SITE STATUS

Note: INFLAMMATION TGLs = 3-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 283

TRT#: 2

SEX: Female

DAY ON TEST: 745

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 880967

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Bone Marrow
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Salivary Glands
Thymus
Uterus

Adrenal Gland - Medulla
Brain
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Skin
Thyroid Gland

Blood
Esophagus
Intestine Small - Duodenum
Lung
Nose
Stomach - Forestomach
Trachea

Bone
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Ovary
Stomach - Glandular
Urinary Bladder

MISSING

Parathyroid Gland

OBSERVATIONS

Clitoral Gland
Note: [CYST] TGLs = 2-10
Heart
Kidney
Liver

Cyst
Cardiomyopathy
Nephropathy
Basophilic Focus
Granuloma
Leukemia Mononuclear

Minimal
Minimal
Mild

Note: [BASOPH FOCUS] TGLs = 1-6+6.1
Pancreas
Pituitary Gland
Spleen

Acinus
Pars Distalis

Atrophy
Adenoma
Leukemia Mononuclear

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 284

TRT#: 2

SEX: Female

DAY ON TEST: 745

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 880966

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Clitoral Gland		Cyst	
Note: [CYST] TGLs = 3-10			
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
Note: [BASOPH FOCUS] TGLs = 5-6			
Note: [HDN] TGLs = 4-6.1			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	Two
Skin		Fibroma	
		Squamous Cell Papilloma	
Note: [SQ CL PAPILLOM] TGLs = 1-13			
Note: [FIBROMA] TGLs = 2-14			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 285

TRT#: 2

SEX: Female

DAY ON TEST: 745

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 880965

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lung	Lymph Node - Mandibular	Mammary Gland
Ovary	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
Note: [BASOPH FOCUS] TGLs = 3-6+6.1			
Lymph Node	Mesenteric	Congestion	Marked
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 286

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Moribund

DAY ON TEST: 606
HISTO: 880970

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Clitoral Gland	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Mammary Gland	Ovary	Pancreas
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skin
Stomach - Forestomach	Thymus	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Blood		Leukemia Mononuclear	
Bone Marrow		Hyperplasia	Marked
Intestine Large	Colon	Parasite Metazoan	Marked
Kidney		Nephropathy	Minimal
Liver		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 5-6+6.1			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 2-9			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 3-8			
Spinal Cord		Hemorrhage	Focal, Moderate
Spleen		Fibrosis	Minimal
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 1-3.1			
Stomach	Glandular	Erosion	Mild
Thyroid Gland	C Cell	Adenoma	
Note: [ADENOMA] TGLs = 4-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 287

TRT#: 2

SEX: Female

DAY ON TEST: 745

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 880968

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Clitoral Gland		Cyst	
Note: [CYST] TGLs = 6-10			
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Developmental Malformation	
Note: [DEVELOP MALFOR] TGLs = 3-6.1		Granuloma	Mild
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: [FIBROADENOMA] TGLs = 1-13			
Note: [GALACTOCELE] TGLs = 2-14			
Nose		Fungus	Mild
		Inflammation	Chronic, Moderate
		Inflammation	Acute, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 4+5-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 288

TRT#: 2

SEX: Female

DAY ON TEST: 456

DOSE: 0 PPM

DISP: Interval Sacrifice

HISTO: 870993

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Kidney	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

INSUFFICIENT TISSUE

Bone Marrow

OBSERVATIONS

Mammary Gland		Lactation	Mild
Nose		Inflammation	Chronic, Focal, Mild
Pancreas	Acinus	Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
Note: HYPERPLASIA TGLs = 2-8			
Spleen		Hematopoietic Cell Proliferation	Moderate
Thyroid Gland	C Cell	Adenoma	
Uterus		Polyp Stromal	
Note: POLYP STROMAL TGLs = 1-6			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 289

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Interval Sacrifice

DAY ON TEST: 456
HISTO: 870994

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Mild
Liver		Hepatodiaphragmatic Nodule	
Note: HDN TGLs = 2-3			
Lymph Node	Mandibular	Congestion	Mild
Mesentery	Fat	Necrosis	Mild
Note: NECROSIS TGLs = 1-13			
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Spleen		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 290

TRT#: 2

SEX: Female

DAY ON TEST: 745

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 880969

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Clitoral Gland		Cyst	
Note: [CYST] TGLs = 5-10			
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
Note: [BASOPH FOCUS] TGLs = 3-6+6.1			
Note: [HDN] TGLs = 4-6.2			
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 2-8			
Uterus		Thrombosis	
Note: [THROMBUS] TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 291

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 745
HISTO: 880972

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood	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	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Stomach - Forestomach	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 4-6			
Mammary Gland		Fibroadenoma	
Note: [FIBROADENOMA] TGLs = 2-14			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 5-8			
Skin		Fibroma	
Note: [FIBROMA] TGLs = 1-13			
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3.1]			
Stomach	Glandular	Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 292

TRT#: 2

SEX: Female

DAY ON TEST: 458

DOSE: 0 PPM

DISP: Interval Sacrifice

HISTO: 871001

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lung
Lymph Node - Mandibular	Nose	Ovary	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Intestine Large	Rectum	Parasite Metazoan	Mild
Liver	Perivascular	Hemorrhage	Focal, Mild
Note: HEMORRHAGE TGLs = 2-3		Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Congestion	Mild
Note: CONGESTION TGLs = 3-8			
Mammary Gland		Lactation	Moderate
Pancreas	Acinus	Atrophy	Focal, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-8			
Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 293	TRT#: 2	SEX: Female	DAY ON TEST: 645
	DOSE: 0 PPM	DISP: Moribund	HISTO: 880974

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	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
Nose	Ovary	Pancreas	Pituitary Gland
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

MISSING

Lymph Node - Mandibular	Mammary Gland	Parathyroid Gland	Salivary Glands
Thyroid Gland			

OBSERVATIONS

Blood			
Note: BLOOD CONTAINS SQUAMOUS CELLS SUGGESTING TUMOR			
Heart		Cardiomyopathy	Mild
	Atrium	Thrombosis	
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Fatty Change	Moderate
Note: [FATTY CHANGE] TGLs = 3-6			
Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 4-2]			
Mesentery	Fat	Necrosis	Moderate
Note: [NECROSIS] TGLs = 2-14			
Skin		Squamous Cell Carcinoma	
Note: [SQUAM CEL CARC] TGLs = 1-13+13.1			
Spleen		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 294

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Moribund

DAY ON TEST: 589
HISTO: 880971

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Brain	Compression	Marked
Kidney	Nephropathy	Moderate
Liver	Basophilic Focus	
	Clear Cell Focus	
	Granuloma	Mild
Note: [CLEAR CL FOCUS] TGLs = 4-6+6.1		
Mammary Gland	Adenoma	
	Galactocele	
Note: [ADENOMA] TGLs = 2-14		
Note: [GALACTOCELE] TGLs = 1-13		
Nose	Inflammation	Chronic, Mild
Pituitary Gland	Adenoma	
Note: [ADENOMA] TGLs = 3-8		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:49

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 295

TRT#: 2

SEX: Female

DAY ON TEST: 692

DOSE: 0 PPM

DISP: Moribund

HISTO: 880973

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Skin

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Mammary Gland
Stomach - Glandular

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Ovary
Trachea

Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Parathyroid Gland
Uterus

OBSERVATIONS

Blood Leukemia Mononuclear
Bone Hyperostosis
Bone Marrow Hyperplasia
Kidney Nephropathy
Liver Basophilic Focus
Fatty Change
Bile Duct Hyperplasia
Leukemia Mononuclear

Marked
Moderate
Minimal
Mild
Mild

Note: [FATTY CHANGE] TGLs = 9-6
Note: [LEUKEMIA MONUC] TGLs = 12-6+6.1

Lung Leukemia Mononuclear
Lymph Node Axillary Leukemia Mononuclear
Inguinal Leukemia Mononuclear
Lumbar Leukemia Mononuclear
Mandibular Leukemia Mononuclear
Mesenteric Leukemia Mononuclear
Pancreatic Leukemia Mononuclear

Note: [LEUKEMIA MONUC] TGLs = 6-9.1
Note: [LEUKEMIA MONUC] TGLs = 8-8.1
Note: [LEUKEMIA MONUC] TGLs = 1-9.2
Note: [LEUKEMIA MONUC] TGLs = 2-10
Note: [LEUKEMIA MONUC] TGLs = 3-14
Note: [LEUKEMIA MONUC] TGLs = 7-13

Nose Inflammation Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 295

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Moribund

DAY ON TEST: 692
HISTO: 880973

ORGAN AND ACCOUNTABLE SITE STATUS

Pancreas		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Cyst	
Note: [CYST] TGLs = 11-8			
Salivary Glands		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
		Necrosis	Focal, Moderate
Note: [LEUKEMIA MONUC] TGLs = 4-3.1			
Stomach	Forestomach	Squamous Cell Papilloma	
	Forestomach	Ulcer	Moderate
Note: [ULCER] TGLs = 13-5			
Note: [SQ CL PAPILLOM] TGLs = 5-5.1			
Thymus		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 10-3			
Thyroid Gland	Follicular Cel	Adenoma	
Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 296

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Moribund

DAY ON TEST: 739
HISTO: 880975

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Ovary	Pancreas	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Parathyroid Gland	Thymus
-------------------	--------

OBSERVATIONS

Islets, Pancreatic	Hyperplasia	Marked
Kidney	Fibrosis	Focal, Moderate
	Nephropathy	Marked
[Nephropathy TGLS = 3-4]		
Liver	Basophilic Focus	
	Granuloma	Mild
Note: [BASOPH FOCUS] TGLs = 5+6-6+6.1		
Mammary Gland	Fibroadenoma	
Note: [FIBROADENOMA] TGLs = 1-13		
Nose	Inflammation	Chronic, Mild
Pituitary Gland	Adenoma	
	Pars Distalis	
Note: [ADENOMA] TGLs = 4-8		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 297

TRT#: 2

SEX: Female

DAY ON TEST: 745

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 880977

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Clitoral Gland
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Ovary	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Infarct	Moderate
Blood		Leukemia Mononuclear	
Brain		Carcinoma	Metastatic (Uncertain Primary Site)
Intestine Large	Colon	Parasite Metazoan	Marked
Kidney		Nephropathy	Moderate
Liver		Basophilic Focus	
	Serosa	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: [BASOPH FOCUS] TGLs = 6+7-6+6.1			
Lung		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 4-2+3			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	
		Leukemia Mononuclear	
Note: [FIBROADENOMA] TGLs = 1-13			
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Adenoma	
Pituitary Gland	Pars Distalis	Carcinoma	
Note: [CARCINOMA] TGLs = 3-8			
Spleen		Infarct	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:49

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 297

TRT#: 2

DOSE: 0 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 745

HISTO: 880977

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [LEUKEMIA MONUC] TGLs = 2-3

Urinary Bladder

Uterus

Note: [CYST] TGLs = 5-7

Leukemia Mononuclear

Leukemia Mononuclear

Cyst

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 298

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Interval Sacrifice

DAY ON TEST: 456
HISTO: 870995

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mesenteric	Mammary Gland
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Clitoral Gland		Inflammation	Chronic, Focal, Mild
Note: INFLAMMATION	TGLs = 3-10		
Intestine Large	Colon	Parasite Metazoan	Moderate
Kidney		Nephropathy	Minimal
Liver		Fatty Change	Minimal
Note: FATTY CHANGE	TGLs = 2-3		
Lymph Node	Mandibular	Congestion	Mild
Note: CONGESTION	TGLs = 1-9		
Nose		Inflammation	Chronic, Focal, Mild
		Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Cyst	
Spleen		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 299

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 745
HISTO: 880976

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Bone		Hyperostosis	Moderate
Clitoral Gland		Cyst	
Note: [CYST] TGLs = 4-10			
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Clear Cell Focus	
		Granuloma	Mild
		Leukemia Mononuclear	
Note: [BASOPH FOCUS] TGLs = 3-6.1			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 2-8			
Spleen		Leukemia Mononuclear	
Uterus		Polyp Stromal	
Note: [POLYP STROMAL] TGLs = 1-7			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 300

TRT#: 2

SEX: Female

DAY ON TEST: 575

DOSE: 0 PPM

DISP: Moribund

HISTO: 880978

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Eye Note: [INFLAMMATION] TGLs = 3-14	Cornea	Inflammation	Acute, Mild
Liver Note: [HDN] TGLs = 1-6		Basophilic Focus Fatty Change Hepatodiaphragmatic Nodule	Mild
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Mild
Zymbal's Gland Note: [CARCINOMA] TGLs = 2-13		Carcinoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 301

TRT#: 2

SEX: Female

DAY ON TEST: 745

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 880980

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	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	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Bone		Hyperostosis	Moderate
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver		Basophilic Focus	
		Granuloma	Mild
Note: [BASOPH FOCUS] TGLs = 3-6+6.1			
Mammary Gland		Fibroadenoma	
Note: [FIBROADENOMA] TGLs = 1-13			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
Stomach	Glandular	Cyst Epithelial Inclusion	
Note: [CYST EPITH INC] TGLs = 4-5			
Thyroid Gland	C Cell	Hyperplasia	Marked
Uterus		Polyp Stromal	
Note: [POLYP STROMAL] TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 302

TRT#: 2

SEX: Female

DAY ON TEST: 458

DOSE: 0 PPM

DISP: Interval Sacrifice

HISTO: 871002

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Lung
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Nephropathy	Minimal
Liver	Perivascular	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Congestion	Moderate
Note: CONGESTION	TGLs = 2-8		
Ovary		Cyst	
Note: CYST	TGLs = 1-6		
Spleen		Pigmentation	Hemosiderin, Mild
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:49

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 303

TRT#: 2

SEX: Female

DAY ON TEST: 625

DOSE: 0 PPM

DISP: Moribund

HISTO: 880981

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Parathyroid Gland
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Salivary Glands
Thymus

Blood
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Skin
Thyroid Gland

Bone Marrow
Heart
Intestine Small - Duodenum
Lung
Pancreas
Spleen
Trachea

OBSERVATIONS

Bone Hyperostosis
Kidney Nephropathy
Liver Basophilic Focus
Fatty Change

Moderate
Moderate
Marked

Note: [FATTY CHANGE] TGLs = 3-6
Note: [BASOPH FOCUS] TGLs = 4+7-6.1

Lymph Node
Note: MEDIASTINAL LN NOT FOUND ON RE-EXAM OF BAG TGL 5

Nose Inflammation
Ovary Cyst

Chronic, Mild

Note: [CYST] TGLs = 1-7
Pituitary Gland Note: [ADENOMA] TGLs = 6-8

Pars Distalis

Adenoma

Stomach Note: [ULCER] TGLs = 2-5

Forestomach

Ulcer

Marked

Uterus Polyp Stromal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 304

TRT#: 2

SEX: Female

DAY ON TEST: 380

DOSE: 0 PPM

DISP: Moribund

HISTO: 870968

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Clitoral Gland	Esophagus	Eye	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lung	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

Bone Marrow		Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Cyst	
Skin	Subcut Tiss	Sarcoma	
Note: SARCOMA	TGLs = 4-13+14+14.1		
Spleen		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 305

TRT#: 2

SEX: Female

DAY ON TEST: 745

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 880979

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	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	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

Clitoral Gland		Carcinoma	Two
Note: [CARCINOMA] TGLs = 1-10.1			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Developmental Malformation	
Note: [DEVELOP MALFOR] TGLs = 5-6			
Mammary Gland		Fibroadenoma	
Note: [FIBROADENOMA] TGLs = 2-13			
Nose		Inflammation	Chronic, Moderate
Pituitary Gland	Pars Distalis	Adenoma	Two
Note: [ADENOMA] TGLs = 4-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 306

TRT#: 2

SEX: Female

DAY ON TEST: 745

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 880983

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Moderate
Heart		Cardiomyopathy	Minimal
Intestine Large	Rectum	Parasite Metazoan	Marked
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Granuloma	Minimal
	Hepatocyte	Hyperplasia	Focal, Mild
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 307

TRT#: 2

SEX: Female

DAY ON TEST: 745

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 880984

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Heart		Cardiomyopathy	Moderate
Intestine Large	Rectum	Parasite Metazoan	Marked
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Granuloma	Moderate
Note: [BASOPH FOCUS] TGLs = 3+4-6+6.1			
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: [FIBROADENOMA] TGLs = 1-13			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Cyst	
Note: [CYST] TGLs = 2-8			
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 308	TRT#: 2 DOSE: 0 PPM	SEX: Female DISP: Dead	DAY ON TEST: 575 HISTO: 880986
-----------------------	--------------------------------------	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea

MISSING

Mammary Gland	Thymus
---------------	--------

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Kidney	Pituitary Gland
Urinary Bladder			

OBSERVATIONS

Clitoral Gland		Cyst	
Note: [CYST] TGLs = 4-10			
Liver		Basophilic Focus	
		Fatty Change	Minimal
		Hepatodiaphragmatic Nodule	
Note: [HDN] TGLs = 3-6.1			
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Mild
Uterus		Polyp Stromal	
Note: [POLYP STROMAL] TGLs = 1-7.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 309

TRT#: 2

SEX: Female

DAY ON TEST: 745

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 880985

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	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	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Eye		Degeneration	Marked
Note: [DEGEN] TGLs = 1-13			
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
Note: [BASOPH FOCUS] TGLs = 3-6			
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: [FIBROADENOMA] TGLs = 2-14			
Nose		Fungus	Marked
		Inflammation	Chronic, Moderate
		Inflammation	Acute, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Uterus		Cyst	
Note: [CYST] TGLs = 4-7			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 310	TRT#: 2	SEX: Female	DAY ON TEST: 745
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 880982

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Mammary Gland	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	Zymbal's Gland

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	

Note: [ADENOMA] TGLs = 3-8

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 311

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Interval Sacrifice

DAY ON TEST: 456
HISTO: 870997

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

MISSING

Skin

OBSERVATIONS

Clitoral Gland		Cyst	
Note: CYST	TGLs = 2-10		
Kidney		Cyst	
Note: CYST	TGLs = 1-4		
Liver	Perivascular	Inflammation	Chronic, Minimal
Mammary Gland		Lactation	Mild
Spleen		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Hyperplasia	Moderate
Tooth		Inflammation	Acute, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 312

TRT#: 2

SEX: Female

DAY ON TEST: 687

DOSE: 0 PPM

DISP: Moribund

HISTO: 880987

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Clitoral Gland
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Islets, Pancreatic
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Blood		Leukemia Mononuclear	
Bone Marrow		Hyperplasia	Moderate
Intestine Small	Jejunum	Parasite Metazoan	Mild
Kidney		Nephropathy	Mild
Liver		Fatty Change	Mild
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
Note: [FATTY CHANGE] TGLs = 6-6 Note: [HDN] TGLs = 5-6.1			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: [FIBROADENOMA] TGLs = 1-14			
Mesentery	Fat	Necrosis	Marked
Note: [NECROSIS] TGLs = 4-13			
Nose		Inflammation	Chronic, Mild
Spleen		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 2-3.1			
Stomach	Forestomach	Fibrosis	Mild
Note: [FIBROSIS] TGLs = 7-5			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 312

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Moribund

DAY ON TEST: 687
HISTO: 880987

ORGAN AND ACCOUNTABLE SITE STATUS

Uterus

Note: UTERINE MASS IS NORMAL CERVIX TGL 3

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 313

TRT#: 2

SEX: Female

DAY ON TEST: 652

DOSE: 0 PPM

DISP: Dead

HISTO: 880989

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Mammary Gland	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea		

AUTO PRECLUDES DIAG.

Urinary Bladder

OBSERVATIONS

Bone		Hyperostosis	Moderate
Brain		Glioma Malignant	
[Glioma Malignant TGLS = 5-1]			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver		Congestion	Mild
		Granuloma	Mild
Note: [CONGESTION] TGLs = 1-6			
Lung		Congestion	Marked
[Congestion TGLS = 2-2+3]			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 3-8			
Uterus		Congestion	Mild
Note: [CONGESTION] TGLs = 4-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 314	TRT#: 2	SEX: Female	DAY ON TEST: 653
	DOSE: 0 PPM	DISP: Dead	HISTO: 880988

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Clitoral Gland
Esophagus	Heart	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Ovary	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Kidney	Urinary Bladder

OBSERVATIONS

Bone	Hyperostosis	Moderate
Brain	Astrocytoma Malignant	
[Astrocytoma Malignant TGLS = 4-1]		
Liver	Basophilic Focus	
Lung	Congestion	Marked
[Congestion TGLS = 3-2+3]		
Mammary Gland	Galactocele	
Note: [GALACTOCELE] TGLs = 1-13		
Nose	Inflammation	Chronic, Moderate
Pancreas	Autolysis	Moderate
Uterus	Polyp Stromal	
Note: [POLYP STROMAL] TGLs = 2-7		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 315

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Interval Sacrifice

DAY ON TEST: 456
HISTO: 870996

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Liver
Lung	Lymph Node - Mesenteric	Mammary Gland	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Kidney		Nephropathy	Minimal
Lymph Node	Mandibular	Congestion	Minimal
	Mediastinal	Congestion	Moderate
Note: CONGESTION	TGLs = 2-2		
Note: CONGESTION	TGLs = 1-9		
Nose		Inflammation	Chronic, Focal, Mild
Spleen		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 316	TRT#: 4	SEX: Female	DAY ON TEST: 745
	DOSE: 500 PPM	DISP: Terminal Sacrifice	HISTO: 881662

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	Brain	Clitoral Gland	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
Mammary Gland		Fibroadenoma	
Note: [FIBROADENOMA] TGLs = 1-13			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 2-8			
Thyroid Gland	Follicle	Cyst	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:49

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 317

TRT#: 4

SEX: Female

DAY ON TEST: 458

DOSE: 500 PPM

DISP: Interval Sacrifice

HISTO: 871097

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Nose
Pituitary Gland
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Rectum
Islets, Pancreatic
Ovary
Salivary Glands
Thymus
Uterus

Bone
Esophagus
Intestine Small - Duodenum
Lung
Pancreas
Skin
Thyroid Gland

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Mammary Gland
Parathyroid Gland
Stomach - Forestomach
Trachea

OBSERVATIONS

Heart
Kidney
Liver
Lymph Node

Note: CONGESTION TGLs = 1-9
Spleen

Mandibular
Mesenteric

Cardiomyopathy
Nephropathy
Granuloma
Congestion
Congestion

Pigmentation

Minimal
Minimal
Mild
Moderate
Mild

Hemosiderin, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 318	TRT#: 4	SEX: Female	DAY ON TEST: 745
	DOSE: 500 PPM	DISP: Terminal Sacrifice	HISTO: 881661

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	Brain	Clitoral Gland	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Heart		Cardiomyopathy	Moderate
Note: [CARDIOMYOPATHY] TGLs = 1-6			
Intestine Large	Rectum	Parasite Metazoan	Marked
Islets, Pancreatic		Hyperplasia	Marked
Kidney		Nephropathy	Mild
Liver		Inflammation	Chronic, Focal, Minimal
Pituitary Gland	Pars Distalis	Cyst	
Uterus		Hemorrhage	Moderate
Note: [HEMORRHAGE] TGLs = 2-13			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:49

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 319

TRT#: 4

SEX: Female

DAY ON TEST: 745

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881660

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Clitoral Gland
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Salivary Glands
Stomach - Glandular
Urinary Bladder

Blood
Esophagus
Intestine Small - Duodenum
Lung
Ovary
Skin
Thymus
Uterus

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Pancreas
Spleen
Thyroid Gland

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Parathyroid Gland
Stomach - Forestomach
Trachea

OBSERVATIONS

Adrenal Gland
Bone
Heart
Kidney
Liver
Nose
Pituitary Gland

Medulla

Pars Distalis

Pheochromocytoma Complex
Hyperostosis
Cardiomyopathy
Nephropathy
Basophilic Focus
Inflammation
Adenoma

Mild
Minimal
Mild

Chronic, Mild

Note: [ADENOMA] TGLs = 1-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:49

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 320

TRT#: 4

SEX: Female

DAY ON TEST: 689

DOSE: 500 PPM

DISP: Moribund

HISTO: 881663

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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	Mammary Gland	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland Note: [LEUKEMIA MONUC] TGLs = 2-8	Cortex	Leukemia Mononuclear	
Bone		Hyperostosis	Mild
Kidney		Nephropathy	Minimal
Liver		Fatty Change	Minimal
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
Nose	Mesenteric	Leukemia Mononuclear	
Ovary Note: [CONGESTION] TGLs = 1-7		Inflammation	Chronic, Mild
Pituitary Gland Note: [ADENOMA] TGLs = 4-8	Pars Distalis	Congestion	Minimal
Spleen Note: [LEUKEMIA MONUC] TGLs = 3-3.1		Adenoma	
Thyroid Gland		Leukemia Mononuclear	
		Ultimobranchial Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 321

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881664

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood	Bone Marrow	Brain	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Lymph Node - Mesenteric
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
	Cortex	Osteosarcoma	Metastatic (Uncertain Primary Site)
	Medulla	Osteosarcoma	Metastatic (Uncertain Primary Site)
Bone		Osteosarcoma	
Clitoral Gland		Cyst	
Note: [CYST] TGLs = 3-10			
Islets, Pancreatic		Carcinoma	
Note: [CARCINOMA] TGLs = 8-9			
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Osteosarcoma	Metastatic (Uncertain Primary Site)
Lung		Osteosarcoma	Metastatic (Uncertain Primary Site)
Lymph Node	Lymphatic, Mandibular	Angiectasis	Moderate
Mammary Gland		Fibroadenoma	Multiple
		Galactocele	
Note: [FIBROADENOMA] TGLs = 1+2-13+14			
Nose		Fungus	Marked
		Inflammation	Acute, Marked
Ovary		Osteosarcoma	Metastatic (Uncertain Primary Site)
Note: [OSTEOSARC] TGLs = 4+5-7			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 9-8			
Spleen		Osteosarcoma	Metastatic (Uncertain Primary Site)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 321

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881664

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [OSTEOSARC] TGLs = 7-3.1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:49

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 322

TRT#: 4

SEX: Female

DAY ON TEST: 458

DOSE: 500 PPM

DISP: Interval Sacrifice

HISTO: 871098

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lung
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Esophagus	Mammary Gland
-----------	---------------

OBSERVATIONS

Liver		Basophilic Focus	
Lymph Node	Mandibular	Congestion	Mild
	Mediastinal	Congestion	Mild
	Pancreatic	Congestion	Minimal
Note: CONGESTION	TGLs = 7-9		
Note: CONGESTION	TGLs = 6-2		
Note: CONGESTION	TGLs = 3-9		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 323

TRT#: 4

SEX: Female

DAY ON TEST: 713

DOSE: 500 PPM

DISP: Moribund

HISTO: 881666

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

MISSING

Clitoral Gland

OBSERVATIONS

Blood		Leukemia Mononuclear	
Bone Marrow		Hyperplasia	Mild
Clitoral Gl			
Note: NO CLITORAL GL FOUND IN SECTIONS OF INGUINAL MASS			
Intestine Large	Rectum	Parasite Metazoan	Moderate
Liver		Basophilic Focus	
		Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	Multiple
		Galactocele	Multiple
Note: [FIBROADENOMA] TGLs = 2-14,3-15			
Note: [GALACTOCELE] TGLs = 1-13			
Nose		Inflammation	Chronic, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 5-8			
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3]			
Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 324	TRT#: 4	SEX: Female	DAY ON TEST: 456
	DOSE: 500 PPM	DISP: Interval Sacrifice	HISTO: 871099

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lung
Lymph Node - Mandibular	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Uterus

MISSING

Mammary Gland

OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Liver		Developmental Malformation	
Note: DEVELOP MALFOR TGLs = 2-3			
Lymph Node	Mesenteric	Congestion	Minimal
Note: CONGESTION TGLs = 1-8			
Nose		Inflammation	Chronic, Focal, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Spleen		Pigmentation	Hemosiderin, Mild
Urinary Bladder		Inflammation	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 325

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881665

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	Brain	Clitoral Gland	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Ovary	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

INSUFFICIENT TISSUE

Parathyroid Gland

OBSERVATIONS

Kidney		Nephropathy	Minimal
Liver		Granuloma	Minimal
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:49

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 326

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881669

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Parathyroid Gland
Stomach - Forestomach
Trachea

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Pituitary Gland
Stomach - Glandular
Urinary Bladder

Bone
Heart
Intestine Small - Duodenum
Lung
Ovary
Salivary Glands
Thymus
Uterus

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Pancreas
Skin
Thyroid Gland

OBSERVATIONS

Blood
Bone Marrow
Kidney
Liver

Leukemia Mononuclear
Hyperplasia
Nephropathy
Basophilic Focus
Granuloma
Hepatocellular Adenoma
Leukemia Mononuclear

Moderate
Minimal
Mild

Note: [HEPATOCLR ADEN] TGLs = 3-6

Note: [LEUKEMIA MONUC] TGLs = 2-6

Nose
Spleen

Inflammation
Leukemia Mononuclear

Chronic, Mild

[Leukemia Mononuclear TGLS = 1-3.1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 327

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881668

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Bone Marrow
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Parathyroid Gland
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Rectum
Islets, Pancreatic
Nose
Salivary Glands
Thymus
Uterus

Blood
Esophagus
Intestine Small - Duodenum
Lung
Ovary
Skin
Thyroid Gland

Bone
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Pancreas
Spleen
Trachea

OBSERVATIONS

Brain
Heart
Kidney
Liver
Note: [BASOPH FOCUS] TGLs = 4-14
Mammary Gland

Compression
Cardiomyopathy
Nephropathy
Basophilic Focus

Mild
Mild
Marked

Note: [GALACTOCELE] TGLs = 1-13
Note: ONE CLITORAL GL IS ACTUALLY MAMMARY FIBROADENOMA
Pituitary Gland
Note: [ADENOMA] TGLs = 2-8
Stomach
Note: [HYPERKERATOSIS] TGLs = 3-14

Pars Distalis
Forestomach

Fibroadenoma
Galactocele
Adenoma
Hyperkeratosis

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 328	TRT#: 4	SEX: Female	DAY ON TEST: 706
	DOSE: 500 PPM	DISP: Dead	HISTO: 881670

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Esophagus
Heart	Intestine Large - Rectum	Lung	Mammary Gland
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Uterus			

AUTO PRECLUDES DIAG.

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Pancreas	Pituitary Gland	Urinary Bladder

OBSERVATIONS

Clitoral Gland		Abscess	Mild
Liver		Basophilic Focus	
		Leukemia Mononuclear	
Lymph Node	Mesenteric	Autolysis	Marked
	Mandibular	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 1-9			
Nose		Fungus	Marked
		Inflammation	Acute, Moderate
Ovary		Cyst	
Note: [CYST] TGLs = 2-7			
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 329	TRT#: 4	SEX: Female	DAY ON TEST: 744
	DOSE: 500 PPM	DISP: Terminal Sacrifice	HISTO: 881667

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Ovary	Pancreas	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Parathyroid Gland	Thymus
-------------------	--------

OBSERVATIONS

Blood		Leukemia Mononuclear	
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Mild
Liver		Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	
Note: [FIBROADENOMA] TGLs = 1-13+13.1			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 330

TRT#: 4

SEX: Female

DAY ON TEST: 457

DOSE: 500 PPM

DISP: Moribund

HISTO: 870969

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Kidney
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Mammary Gland

OBSERVATIONS

Liver		Fatty Change	Moderate
Lymph Node	Mediastinal	Congestion	Moderate
Note: CONGESTION	TGLs = 5-2		
Nose		Fungus	Marked
		Inflammation	Acute, Moderate
Spleen		Pigmentation	Hemosiderin, Mild
Stomach	Glandular	Ulcer	Moderate
Note: ULCER	TGLs = 4-7		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:49

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 331

TRT#: 4

SEX: Female

DAY ON TEST: 745

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881671

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	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	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Ovary	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Clitoral Gland		Cyst	
		Inflammation	Acute, Mild
Note: [INFLAMMATION] TGLs = 1-10			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Granuloma	Moderate
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Carcinoma	
Note: [ADENOMA] TGLs = 4-8			
Note: [CARCINOMA] TGLs = 3-8			
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus		Polyp Stromal	
Note: [POLYP STROMAL] TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 332 **TRT#:** 4 **SEX:** Female **DAY ON TEST:** 745
DOSE: 500 PPM **DISP:** Terminal Sacrifice **HISTO:** 881673

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
Clitoral Gland		Abscess	Two, Moderate
Note: [ABSCESS] TGLs = 1+2-10			
Islets, Pancreatic		Adenoma	
Note: [ADENOMA] TGLs = 4-9			
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Granuloma	Marked
Note: [GRANULOMA] TGLs = 5-6			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Carcinoma	
Note: [CARCINOMA] TGLs = 6-8			
Stomach	Glandular	Inflammation	Chronic, Mild
Uterus		Sarcoma Stromal	
Note: [SARC STROMAL] TGLs = 3-7			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 333

TRT#: 4

SEX: Female

DAY ON TEST: 745

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881672

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	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	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Blood		Leukemia Mononuclear	
Bone Marrow		Hyperplasia	Moderate
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 3-6			
Lung		Leukemia Mononuclear	
		Metaplasia	Osseous, Marked
[Leukemia Mononuclear TGLS = 4-2+3]			
[Metaplasia TGLS = 5-2+3]			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: [FIBROADENOMA] TGLs = 1-13			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 6-8			
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3.1]			
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 334

TRT#: 4

SEX: Female

DAY ON TEST: 745

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881674

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood	Bone	Brain
Clitoral Gland	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mesenteric	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Moderate
Bone Marrow		Hyperplasia	Moderate
Intestine Large	Rectum	Parasite Metazoan	Marked
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Minimal
		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	
Note: [FIBROADENOMA] TGLs = 2-13			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 3-8			
Spleen		Hyperplasia	Lymphoid, Histiocytic, Marked
		Leukemia Mononuclear	
Note: [HYPERPLASIA] TGLs = 1-3			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 335

TRT#: 4

SEX: Female

DAY ON TEST: 745

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881675

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Blood		Leukemia Mononuclear	
Eye		Cataract	Moderate
Note: [CATARACT] TGLs = 1-14			
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
Note: [HDN] TGLs = 5-6			
Note: [LEUKEMIA MONUC] TGLs = 6-6			
Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 7-2]			
Mammary Gland		Adenoma	
Note: [ADENOMA] TGLs = 2-13			
Nose		Fungus	Moderate
		Inflammation	Acute, Moderate
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3]			
Thyroid Gland	C Cell	Hyperplasia	Moderate
Uterus		Polyp Stromal	
Note: [POLYP STROMAL] TGLs = 3-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:49

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 336

TRT#: 4

SEX: Female

DAY ON TEST: 458

DOSE: 500 PPM

DISP: Interval Sacrifice

HISTO: 871100

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Liver	Lung	Lymph Node - Mesenteric	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Mild
Heart		Cardiomyopathy	Minimal
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Minimal
Lymph Node	Mandibular	Congestion	Mild
Nose		Inflammation	Chronic, Focal, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:49

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 337

TRT#: 4

SEX: Female

DAY ON TEST: 745

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881677

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood	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
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
Note: [ADENOMA] TGLs = 3-8			
Islets, Pancreatic		Carcinoma	
Note: [CARCINOMA] TGLs = 2-9			
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Granuloma	Minimal
Lung		Adenosquamous Carcinoma	
[Adenosquamous Carcinoma TGLS = 5-2]			
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: [FIBROADENOMA] TGLs = 1-13			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Carcinoma	
Note: [CARCINOMA] TGLs = 6-8			
Spleen		Pigmentation	Hemosiderin, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 338

TRT#: 4

SEX: Female

DAY ON TEST: 477

DOSE: 500 PPM

DISP: Moribund

HISTO: 881679

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Brain	Clitoral Gland	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Mammary Gland
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Bone Marrow		Hyperplasia	Moderate
Eye		Cataract	Mild
Note: [CATARACT] TGLs = 1-13			
Intestine Large	Rectum	Schwannoma Malignant	
Intestine Small	Duodenum	Schwannoma Malignant	
Kidney		Pigmentation	Bile, Moderate
Liver		Fatty Change	Minimal
		Hepatodiaphragmatic Nodule	
Note: YELLOW COLOR IS STAIN FROM ASCITIC FLUID TGL 9			
Note: [HDN] TGLs = 8-6			
Lymph Node	Mesenteric	Congestion	Marked
	Mediastinal	Schwannoma Malignant	
Note: [CONGESTION] TGLs = 6-8			
Note: [SCHWANNOMA MAL] TGLs = 10-3			
Mesentery		Schwannoma Malignant	
Note: [SCHWANNOMA MAL] TGLs = 7-9.1			
Nose		Inflammation	Chronic, Mild
Ovary		Schwannoma Malignant	
Note: [SCHWANNOMA MAL] TGLs = 3-7.1			
Pancreas		Schwannoma Malignant	
Note: [SCHWANNOMA MAL] TGLs = 11-9			
Pituitary Gland	Pars Distalis	Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 338	TRT#: 4	SEX: Female	DAY ON TEST: 477
	DOSE: 500 PPM	DISP: Moribund	HISTO: 881679

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen		Hematopoietic Cell Proliferation Schwannoma Malignant	Marked
Note: [HEMA CELL PROL] TGLs = 4-3.1			
Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH	-
-------------------------------	---

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 339

TRT#: 4

SEX: Female

DAY ON TEST: 707

DOSE: 500 PPM

DISP: Moribund

HISTO: 881678

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	Clitoral Gland	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Brain		Compression	Marked
Intestine Large	Rectum	Parasite Metazoan	Moderate
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Granuloma	Mild
Note: SMALL LIVER MAY REFLECT PITUITARY TUMOR TGL 3			
Nose		Inflammation	Chronic, Mild
Ovary		Congestion	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Thyroid Gland	C Cell	Adenoma	
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 340

TRT#: 4

SEX: Female

DAY ON TEST: 745

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881676

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Ovary	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite Metazoan	Mild
	Rectum	Parasite Metazoan	Marked
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Mild
Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 341

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881683

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lung	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

Clitoral Gland		Cyst	
Note: [CYST] TGLs = 2-10			
Eye		Cataract	Mild
	Retina	Degeneration	Marked
		Hemorrhage	Mild
Note: [CATARACT] TGLs = 1-13			
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Developmental Malformation	
		Granuloma	Mild
Note: [DEVELOP MALFOR] TGLs = 3-6			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 342

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881684

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Bone		Hyperostosis	Mild
Clitoral Gland		Abscess	Mild
Note: [ABSCESS] TGLs = 1-10			
Kidney		Nephropathy	Mild
Liver		Clear Cell Focus	
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: [FIBROADENOMA] TGLs = 2-13			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 4-8			
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus		Polyp Stromal	
Note: [POLYP STROMAL] TGLs = 3-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 343

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881682

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Salivary Glands
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Small - Duodenum
Lung
Pancreas
Skin
Thymus
Uterus

Blood
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Parathyroid Gland
Spleen
Thyroid Gland

Bone Marrow
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Pituitary Gland
Stomach - Forestomach
Trachea

OBSERVATIONS

Bone
Clitoral Gland
Eye
 Note: [CATARACT] TGLs = 2-13
Heart
Kidney
Liver
Nose
Ovary
 Note: [CYST] TGLs = 1-7

Hyperostosis
Abscess
Cataract

Cardiomyopathy
Nephropathy
Basophilic Focus
Inflammation
Cyst

Moderate
Moderate
Marked

Mild
Minimal

Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:49

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 344

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881681

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Salivary Glands
Stomach - Glandular

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Rectum
Islets, Pancreatic
Ovary
Skin
Thymus

Bone
Esophagus
Intestine Small - Duodenum
Lung
Parathyroid Gland
Spleen
Trachea

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Pituitary Gland
Stomach - Forestomach
Urinary Bladder

OBSERVATIONS

Heart
Kidney
Liver
Mammary Gland

Cardiomyopathy
Nephropathy
Basophilic Focus
Fibroadenoma
Galactocele

Moderate
Mild

Note: [FIBROADENOMA] TGLs = 1-13

Nose
Pancreas
Thyroid Gland
Uterus

Acinus
C Cell

Inflammation
Atrophy
Hyperplasia
Polyp Stromal

Chronic, Mild
Marked
Moderate

Note: [POLYP STROMAL] TGLs = 2-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 345

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881680

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	Brain	Clitoral Gland	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Intestine Large	Rectum	Parasite Metazoan	Marked
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Granuloma	Marked
Nose		Inflammation	Chronic, Mild
Pharynx		Hyperplasia	Basal Cell, Moderate
Pituitary Gland	Pars Distalis	Cyst	
Stomach			
Note: STOMACH NODULE IS FOLD OF NORMAL TISSUE TGL 1			
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 346	TRT#: 4	SEX: Female	DAY ON TEST: 456
	DOSE: 500 PPM	DISP: Interval Sacrifice	HISTO: 871101

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Ovary	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Intestine Large	Rectum	Parasite Metazoan	Marked
Liver		Basophilic Focus	
Nose		Inflammation	Chronic, Focal, Mild
Pancreas	Acinus	Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Spleen		Pigmentation	Hemosiderin, Minimal
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 347

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881686

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	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
Mammary Gland	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Bone		Hyperostosis	Mild
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Granuloma	Mild
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 5-8			
Skin		Keratoacanthoma	
Note: [KERATOACANTHMA] TGLs = 1-13			
Spleen	Capsule	Fibrosis	Moderate
		Hyperplasia	Lymphoid, Histiocytic, Marked
Note: [HYPERPLASIA] TGLs = 2+4-3.1			
[Fibrosis TGLS = 3-3]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 348	TRT#: 4	SEX: Female	DAY ON TEST: 744
	DOSE: 500 PPM	DISP: Terminal Sacrifice	HISTO: 881685

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	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	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Mild
Liver		Hepatodiaphragmatic Nodule	
Note: [HDN] TGLs = 1-6			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 2-8			
Spleen		Granuloma	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 349

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881687

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Brain		Compression	Moderate
Clitoral Gland		Abscess	Moderate
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Granuloma	Moderate
Note: [BASOPH FOCUS] TGLs = 2+3-6.1			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 1-8			
Spleen		Hyperplasia	Lymphoid, Histiocytic, Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:49

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 350

TRT#: 4

SEX: Female

DAY ON TEST: 713

DOSE: 500 PPM

DISP: Moribund

HISTO: 881688

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	Brain	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Clitoral Gland		Cyst	
Note: [CYST] TGLs = 2-10			
Intestine Large	Rectum	Parasite Metazoan	Marked
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Hemorrhage	Marked
Note: [HEMORRHAGE] TGLs = 4+7-6.1			
Note: [BASOPH FOCUS] TGLs = 5-6			
Note: HEMORRHAGE APPEARS ACCIDENTAL			
Mammary Gland		Adenoma	
Note: [ADENOMA] TGLs = 1-13			
Nose		Inflammation	Chronic, Mild
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:49

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 351

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881689

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Moderate
Intestine Large	Cecum	Parasite Metazoan	Mild
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
Lung		Congestion	Mild
[Congestion TGLS = 3-2+3]			
Mammary Gland		Galactocele	
Note: [GALACTOCELE] TGLs = 1-13			
Nose		Inflammation	Chronic, Moderate
Uterus	Endometrium	Cyst	
Note: [CYST] TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 352	TRT#: 4	SEX: Female	DAY ON TEST: 458
	DOSE: 500 PPM	DISP: Interval Sacrifice	HISTO: 871102

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lung	Lymph Node - Mandibular	Mammary Gland
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Clitoral Gland		Inflammation	Acute, Moderate
Note: INFLAMMATION	TGLs = 2-10		
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
Lymph Node	Mesenteric	Congestion	Mild
Nose		Inflammation	Chronic, Focal, Mild
Spleen		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 353

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881691

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Parathyroid Gland
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Salivary Glands
Thymus
Uterus

Bone
Heart
Intestine Small - Duodenum
Mammary Gland
Skin
Thyroid Gland

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Ovary
Stomach - Forestomach
Trachea

OBSERVATIONS

Bone Marrow
Kidney
Liver

Bile Duct

Hyperplasia
Nephropathy
Hyperplasia
Leukemia Mononuclear

Marked
Minimal
Mild

Note: [LEUKEMIA MONUC] TGLs = 2-6

Lung
Lymph Node

Mandibular
Mesenteric

Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear

Nose
Pancreas
Pituitary Gland

Acinus
Pars Distalis

Inflammation
Atrophy
Adenoma

Chronic, Mild
Minimal

Note: [ADENOMA] TGLs = 3-8

Spleen

Leukemia Mononuclear

Note: [LEUKEMIA MONUC] TGLs = 1-3.1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:49

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 354

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881690

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Clitoral Gland
Intestine Large - Rectum
Islets, Pancreatic
Skin
Thyroid Gland

Adrenal Gland - Medulla
Esophagus
Intestine Small - Duodenum
Ovary
Stomach - Forestomach
Trachea

Bone
Intestine Large - Cecum
Intestine Small - Ileum
Pancreas
Stomach - Glandular
Urinary Bladder

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Salivary Glands
Thymus
Uterus

MISSING

Parathyroid Gland

INSUFFICIENT TISSUE

Blood

OBSERVATIONS

Bone Marrow
Eye
Note: [CATARACT] TGLs = 1-13

Heart
Kidney
Liver

Note: [FATTY CHANGE] TGLs = 6-6

Lung
Lymph Node

Note: [LEUKEMIA MONUC] TGLs = 3-9
Mammary Gland

Note: [FIBROADENOMA] TGLs = 2-14
Nose

Pituitary Gland Pars Distalis

Hyperplasia
Cataract

Cardiomyopathy
Nephropathy
Basophilic Focus
Fatty Change
Leukemia Mononuclear

Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear

Fibroadenoma
Galactocele

Fungus
Inflammation
Adenoma

Moderate
Moderate

Mild
Minimal

Moderate

Marked
Acute, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 354

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881690

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [ADENOMA] TGLs = 7-8
Spleen

Fibrosis
Infarct
Leukemia Mononuclear

Mild
Moderate

Note: [INFARCT] TGLs = 5-3.1
[Infarct TGLS = 4-3+3.1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 355 **TRT#:** 4 **SEX:** Female **DAY ON TEST:** 666
DOSE: 500 PPM **DISP:** Moribund **HISTO:** 881692

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Clitoral Gland	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mesenteric
Mammary Gland	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Brain		Compression	Marked
Note: [COMPRESSION] TGLs = 8-1			
Kidney		Nephropathy	Moderate
Liver		Basophilic Focus	
		Fatty Change	Minimal
		Granuloma	Mild
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 6-6			
Note: [BASOPH FOCUS] TGLs = 7-6.1			
Lymph Node	Lymphatic, Mandibular	Angiectasis	Moderate
Note: [ANGIECTASIS] TGLs = 2-9			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 4-8			
Skin		Lipoma	
Note: [LIPOMA] TGLs = 1-13			
Spleen		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 3-3			
Stomach	Forestomach	Hyperkeratosis	Mild
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 356

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881697

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	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

Bone		Hyperostosis	Marked
Clitoral Gland		Adenoma	
Note: [ADENOMA] TGLs = 2-10			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Granuloma	Moderate
Note: [BASOPH FOCUS] TGLs = 6+7-6			
Lung		Alveolar/Bronchiolar Carcinoma	
[Alveolar/Bronchiolar Carcinoma TGLs = 3+5-2+13]			
Mammary Gland		Fibroadenoma	
Note: [FIBROADENOMA] TGLs = 1-10			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 4-8			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 357	TRT#: 4	SEX: Female	DAY ON TEST: 744
	DOSE: 500 PPM	DISP: Terminal Sacrifice	HISTO: 881696

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	Brain	Clitoral Gland	Esophagus
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

MISSING

Intestine Large - Colon

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
Note: [BASOPH FOCUS] TGLs = 1-6			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 359

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881694

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mesenteric	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Bone		Hyperostosis	Moderate
Bone Marrow		Hyperplasia	Mild
Brain		Carcinoma	Metastatic (Uncertain Primary Site)
		Compression	Marked
Clitoral Gland		Carcinoma	
Note: [CARCINOMA] TGLs = 1-10			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Granuloma	Mild
		Fibroadenoma	
Mammary Gland			
Note: [FIBROADENOMA] TGLs = 2-13			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Carcinoma	
Note: [CARCINOMA] TGLs = 4-8			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: [HEMA CELL PROL] TGLs = 3-3			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 360

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881693

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	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
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Granuloma	Moderate
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: [FIBROADENOMA] TGLs = 1-13+13.1			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 2-8			
Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 361

TRT#: 4

SEX: Female

DAY ON TEST: 428

DOSE: 500 PPM

DISP: Moribund

HISTO: 870970

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Clitoral Gland	Eye	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lung
Lymph Node - Mesenteric	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Esophagus

OBSERVATIONS

Brain		Compression	
Note: COMPRESSION	TGLs = 9-5		
Liver		Granuloma	Mild
Lymph Node	Mediastinal	Congestion	Moderate
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
Note: CONGESTION	TGLs = 4-2		
Note: [INFILTRAT CELL]	TGLs = 2-9		
Mammary Gland		Lactation	Mild
Note: LACTATION	TGLs = 1-10.1		
Nose		Inflammation	Chronic, Mild
Ovary		Cyst	
Note: CYST	TGLs = 8-6		
Pituitary Gland	Pars Distalis	Carcinoma	
Note: CARCINOMA	TGLs = 7-8.1		
Spleen		Pigmentation	Hemosiderin, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 362

TRT#: 4

SEX: Female

DAY ON TEST: 647

DOSE: 500 PPM

DISP: Moribund

HISTO: 881700

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood	Brain	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Bone		Hyperostosis	Marked
Bone Marrow		Hyperplasia	Mild
Clitoral Gland		Carcinoma	
Note: [CARCINOMA] TGLs = 1-13			
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Developmental Malformation	
Note: [FATTY CHANGE] TGLs = 3-6		Fatty Change	Minimal
Note: [DEVELOP MALFOR] TGLs = 4-6			
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Moderate
Note: [PIGMENT] TGLs = 6-3			
Mammary Gland		Fibroadenoma	
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Marked
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 7-8			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: [HEMA CELL PROL] TGLs = 2-3			
Thyroid Gland	C Cell	Adenoma	
Note: [ADENOMA] TGLs = 5-8			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 362

TRT#: 4

SEX: Female

DAY ON TEST: 647

DOSE: 500 PPM

DISP: Moribund

HISTO: 881700

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 363	TRT#: 4	SEX: Female	DAY ON TEST: 458
	DOSE: 500 PPM	DISP: Interval Sacrifice	HISTO: 871103

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Kidney
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Thymus

OBSERVATIONS

Liver		Basophilic Focus	
Lymph Node	Mediastinal	Congestion	Mild
Note: CONGESTION	TGLs = 1-2		
Nose		Inflammation	Chronic, Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:49

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 364

TRT#: 4

SEX: Female

DAY ON TEST: 707

DOSE: 500 PPM

DISP: Moribund

HISTO: 881698

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	Brain	Esophagus	Intestine Large - Cecum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Pancreas
Parathyroid Gland	Salivary Glands	Spleen	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Clitoral Gland		Abscess	Marked
Note: [ABSCESS] TGLs = 2-10			
Heart		Cardiomyopathy	Minimal
Intestine Large	Colon	Parasite Metazoan	Mild
	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Developmental Malformation	
		Granuloma	Mild
Note: [DEVELOP MALFOR] TGLs = 6-6			
Mammary Gland		Fibroadenoma	Multiple
Note: [FIBROADENOMA] TGLs = 1+3-10+13+15			
Nose		Inflammation	Chronic, Mild
Ovary		Congestion	Moderate
Note: [CONGESTION] TGLs = 4-7			
Pituitary Gland	Pars Distalis	Cyst	
Skin		Pigmentation	Melanin, Moderate
Note: [PIGMENT] TGLs = 7-14			
Stomach	Forestomach	Hyperplasia	Basal Cell, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 365

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881699

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Blood		Leukemia Mononuclear	
Intestine Large	Rectum	Parasite Metazoan	Moderate
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Leukemia Mononuclear	
Note: [BASOPH FOCUS] TGLs = 4-6			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Cyst	
Skin		Fibroma	
Note: [FIBROMA] TGLs = 1-13			
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3]			
Thyroid Gland	Follicular Cel	Adenoma	
Uterus		Polyp Stromal	
Note: [POLYP STROMAL] TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 366

TRT#: 4

SEX: Female

DAY ON TEST: 706

DOSE: 500 PPM

DISP: Moribund

HISTO: 881702

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Brain		Compression	Moderate
Clitoral Gland		Carcinoma	
Note: [CARCINOMA] TGLs = 1-10			
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
Lung	Alveolar Epith	Metaplasia	Marked
Note: [METAPL] TGLs = 3-2			
Nose		Inflammation	Chronic, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 2-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 367	TRT#: 4	SEX: Female	DAY ON TEST: 744
	DOSE: 500 PPM	DISP: Terminal Sacrifice	HISTO: 881701

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	Brain	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Clitoral Gland		Abscess	Moderate
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Clear Cell Focus	
Nose		Inflammation	Chronic, Mild
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 368 **TRT#:** 4 **SEX:** Female **DAY ON TEST:** 695
DOSE: 500 PPM **DISP:** Dead **HISTO:** 881704

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Brain	Clitoral Gland
Esophagus	Harderian Gland	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Small - Duodenum	Islets, Pancreatic	Ovary
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Uterus			

MISSING

Intestine Large - Rectum	Mammary Gland	Thymus
--------------------------	---------------	--------

AUTO PRECLUDES DIAG.

Intestine Small - Ileum	Intestine Small - Jejunum	Pancreas	Urinary Bladder
-------------------------	---------------------------	----------	-----------------

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Moderate
Bone		Hyperostosis	Marked
Eye		Sarcoma	
Note: SECTION OF HARDERIAN GLAND LOOKS NORMAL TGL 5			
Note: [SARCOMA] TGLs = 1-13			
Kidney		Autolysis	Minimal
		Nephropathy	Mild
Note: [AUTOLYSIS] TGLs = 2-4			
Liver		Basophilic Focus	
		Fatty Change	Mild
Note: [FATTY CHANGE] TGLs = 3-6			
Lung		Sarcoma	Metastatic (Uncertain Primary Site)
[Sarcoma TGLS = 4-2+3]			
Lymph Node	Mesenteric	Congestion	Marked
	Mandibular	Sarcoma	Metastatic (Uncertain Primary Site)
Nose		Sarcoma	Metastatic (Uncertain Primary Site)
Spleen		Hematopoietic Cell Proliferation	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:49

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 369

TRT#: 4

SEX: Female

DAY ON TEST: 706

DOSE: 500 PPM

DISP: Dead

HISTO: 881703

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Ovary
Stomach - Forestomach
Uterus

Adrenal Gland - Medulla
Heart
Parathyroid Gland
Stomach - Glandular

Brain
Lung
Salivary Glands
Thyroid Gland

Clitoral Gland
Lymph Node - Mandibular
Skin
Trachea

MISSING

Mammary Gland

AUTO PRECLUDES DIAG.

Bone Marrow
Intestine Small - Duodenum
Kidney
Thymus

Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mesenteric
Urinary Bladder

Intestine Large - Colon
Intestine Small - Jejunum
Pancreas

Intestine Large - Rectum
Islets, Pancreatic
Pituitary Gland

OBSERVATIONS

Bone
Liver

Hyperostosis
Fatty Change
Leukemia Mononuclear

Moderate
Moderate

Note: [FATTY CHANGE] TGLs = 2-6

Nose
Spleen

Inflammation
Fibrosis
Leukemia Mononuclear

Chronic, Mild
Mild

[Leukemia Mononuclear TGLS = 1-3]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:49

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 370

TRT#: 4

SEX: Female

DAY ON TEST: 456

DOSE: 500 PPM

DISP: Interval Sacrifice

HISTO: 871104

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Liver
Lung	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Nephropathy	Minimal
Lymph Node	Mandibular	Congestion	Mild
	Pancreatic	Congestion	Minimal
Note: CONGESTION TGLs = 2-9			
Note: CONGESTION TGLs = 1-9			
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST TGLs = 3-8			
Spleen		Pigmentation	Hemosiderin, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 371

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881705

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	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 - Mesenteric	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Eye		Cataract	Moderate
	Retina	Degeneration	Marked
Note: [DEGEN] TGLs = 1-16			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Minimal
		Granuloma	Mild
Note: [BASOPH FOCUS] TGLs = 9+10-6.1			
Note: [CLEAR CL FOCUS] TGLs = 6-6,8-6			
Mammary Gland		Fibroadenoma	Multiple
		Galactocele	Multiple
Note: [FIBROADENOMA] TGLs = 2-13,3-14,4-15			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 7-8			
Uterus		Polyp Stromal	
Note: [POLYP STROMAL] TGLs = 5-7			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 371

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881705

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 372

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881707

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Bone Marrow
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Salivary Glands
Stomach - Glandular
Uterus

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Rectum
Islets, Pancreatic
Ovary
Skin
Thymus

Blood
Esophagus
Intestine Small - Duodenum
Lung
Pancreas
Spleen
Trachea

Bone
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Parathyroid Gland
Stomach - Forestomach
Urinary Bladder

OBSERVATIONS

Brain		Carcinoma	Metastatic (Uncertain Primary Site)
		Compression	Marked
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Granuloma	Minimal
	Bile Duct	Hyperplasia	Mild
		Fibroadenoma	
Mammary Gland			
Note: [FIBROADENOMA] TGLs = 1-13			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Carcinoma	
Note: [CARCINOMA] TGLs = 2-8			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 373

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 881706

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Bone		Hyperostosis	Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
Note: [BASOPH FOCUS] TGLs = 2-6			
Mammary Gland		Fibroadenoma	
Note: [FIBROADENOMA] TGLs = 1-13			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 374	TRT#: 4	SEX: Female	DAY ON TEST: 458
	DOSE: 500 PPM	DISP: Interval Sacrifice	HISTO: 871105

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lung
Mammary Gland	Ovary	Pancreas	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Parathyroid Gland	Thymus
-------------------	--------

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Liver		Granuloma	Mild
Lymph Node	Mandibular	Congestion	Minimal
	Mesenteric	Congestion	Mild
Note: CONGESTION	TGLs = 1-9		
Nose		Inflammation	Chronic, Focal, Mild
Pituitary Gland	Pars Distalis	Cyst	
Spleen		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 375

TRT#: 4

SEX: Female

DAY ON TEST: 458

DOSE: 500 PPM

DISP: Interval Sacrifice

HISTO: 871106

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lung	Lymph Node - Mesenteric
Mammary Gland	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Intestine Large - Rectum	Lymph Node - Mandibular
--------------------------	-------------------------

OBSERVATIONS

Clitoral Gland		Inflammation	Chronic, Focal, Mild
Liver		Basophilic Focus	
Lymph Node	Mandibular	Congestion	Mild
Note: CONGESTION	TGLs = 1-9		
Nose		Inflammation	Chronic, Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:49

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 376

TRT#: 6

SEX: Female

DAY ON TEST: 743

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881347

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Bone Marrow
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Parathyroid Gland
Stomach - Forestomach
Urinary Bladder

Adrenal Gland - Medulla
Brain
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Salivary Glands
Stomach - Glandular
Uterus

Blood
Esophagus
Intestine Small - Duodenum
Lung
Ovary
Skin
Thymus

Bone
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Pancreas
Spleen
Trachea

OBSERVATIONS

Clitoral Gland
Note: [ABSCESS] TGLs = 2-10
Heart
Kidney
Liver
Nose
Pituitary Gland
Note: [ADENOMA] TGLs = 1-8
Thyroid Gland

Pars Distalis
C Cell

Abscess
Cardiomyopathy
Nephropathy
Basophilic Focus
Inflammation
Adenoma
Adenoma
Marked
Mild
Mild
Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:49

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 377

TRT#: 6

SEX: Female

DAY ON TEST: 743

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881345

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: [FIBROADENOMA] TGLs = 1-13+13.1			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Cyst	
Note: [CYST] TGLs = 2-8			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 378

TRT#: 6

SEX: Female

DAY ON TEST: 520

DOSE: 1250 PPM

DISP: Moribund

HISTO: 881348

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Clitoral Gland	Inflammation	Chronic, Moderate
Kidney [Nephropathy TGLS = 4-4]	Nephropathy	Mild
Liver Note: [CONGESTION] TGLs = 6-6	Basophilic Focus Congestion	Minimal
Mammary Gland Note: [FIBROADENOMA] TGLs = 1-13+13.1	Fibroadenoma	
Mesentery [Accessory Spleen TGLS = 3-3]	Accessory Spleen	
Nose	Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 379

TRT#: 6

SEX: Female

DAY ON TEST: 456

DOSE: 1250 PPM

DISP: Interval Sacrifice

HISTO: 871087

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Pituitary Gland
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Clitoral Gland
Intestine Small - Duodenum
Lung
Ovary
Salivary Glands
Thymus
Uterus

Bone
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Pancreas
Skin
Thyroid Gland

Bone Marrow
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Parathyroid Gland
Stomach - Forestomach
Trachea

MISSING

Esophagus

OBSERVATIONS

Heart
Kidney
Liver
Nose
Spleen

Cardiomyopathy
Nephropathy
Angiectasis
Inflammation
Pigmentation

Mild
Mild
Mild
Chronic, Focal, Minimal
Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 380

TRT#: 6

SEX: Female

DAY ON TEST: 743

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881346

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood	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 - Mesenteric	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Moderate
Brain		Compression	Marked
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Leukemia Mononuclear	
Note: [BASOPH FOCUS] TGLs = 3-6			
Lung		Alveolar/Bronchiolar Adenoma	
Mammary Gland		Galactocele	
Note: [GALACTOCELE] TGLs = 1-13			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Carcinoma	
Note: [CARCINOMA] TGLs = 4-8			
Spleen		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 2-3			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 381

TRT#: 6

SEX: Female

DAY ON TEST: 742

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881382

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Bone		Hyperostosis	Moderate
Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite Metazoan	Mild
	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Spleen			

Note: NO NODULE SEEN IN ORIGINAL SLIDE OR RECUT TGL 1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 382

TRT#: 6

SEX: Female

DAY ON TEST: 742

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881349

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	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	Ovary	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Moderate
Liver		Basophilic Focus	
		Clear Cell Focus	
Note: [BASOPH FOCUS] TGLs = 2-6.1			
Mammary Gland		Fibroadenoma	
Note: [FIBROADENOMA] TGLs = 1-13			
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Moderate
Pituitary Gland	Pars Distalis	Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 383

TRT#: 6

SEX: Female

DAY ON TEST: 456

DOSE: 1250 PPM

DISP: Interval Sacrifice

HISTO: 871088

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Ovary
Skin
Trachea

Adrenal Gland - Medulla
Clitoral Gland
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Pancreas
Stomach - Forestomach
Urinary Bladder

Bone
Esophagus
Intestine Small - Ileum
Liver
Mammary Gland
Parathyroid Gland
Stomach - Glandular
Uterus

Bone Marrow
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Nose
Salivary Glands
Thyroid Gland

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Heart
Intestine Large
Pituitary Gland
Spleen

Cecum
Pars Distalis

Cardiomyopathy
Parasite Metazoan
Adenoma
Pigmentation

Minimal
Mild
Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 384

TRT#: 6

SEX: Female

DAY ON TEST: 742

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881350

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	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	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Ovary	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Clitoral Gland		Cyst	
Note: [CYST] TGLs = 2-10			
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Granuloma	Minimal
Note: [BASOPH FOCUS] TGLs = 4-6.1			
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: [FIBROADENOMA] TGLs = 1-13			
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 3-8			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 385

TRT#: 6

SEX: Female

DAY ON TEST: 741

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881351

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	Clitoral Gland	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Brain		Compression	Marked
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Mild
Mammary Gland		Fibroadenoma	Multiple
		Galactocele	Multiple
Note: [FIBROADENOMA] TGLs = 2-13,1-14			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Carcinoma	
Note: [CARCINOMA] TGLs = 3-8.1			
Skeletal Muscle		Degeneration	Mild
Note: [DEGEN] TGLs = 4-15			
Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:49

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 386

TRT#: 6

SEX: Female

DAY ON TEST: 742

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881354

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	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	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Thymus

OBSERVATIONS

Heart	Cardiomyopathy	Minimal
Islets, Pancreatic	Adenoma	
Kidney	Nephropathy	Mild
Liver	Basophilic Focus	
Note: [BASOPH FOCUS] TGLs = 1-6		
Nose	Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis Angiectasis	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 387

TRT#: 6

SEX: Female

DAY ON TEST: 462

DOSE: 1250 PPM

DISP: Moribund

HISTO: 881355

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Clitoral Gland	Esophagus
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland	Ovary
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Congestion	Moderate
Note: [CONGESTION] TGLs = 6-8			
Blood		Leukemia Mononuclear	
Bone Marrow		Hyperplasia	Moderate
Brain		Leukemia Mononuclear	
Eye		Cataract	Mild
Note: [CATARACT] TGLs = 2-13			
Heart		Leukemia Mononuclear	
Intestine Large	Cecum	Parasite Metazoan	Moderate
Kidney		Nephropathy	Minimal
Liver		Fatty Change	Minimal
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 7-6			
Lung		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 9-2+3			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 10-8.1			
Note: [LEUKEMIA MONUC] TGLs = 4-9			
Note: [LEUKEMIA MONUC] TGLs = 5-9			
Nose		Inflammation	Chronic, Mild
Pancreas		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 387

TRT#: 6

SEX: Female

DAY ON TEST: 462

DOSE: 1250 PPM

DISP: Moribund

HISTO: 881355

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen

Leukemia Mononuclear

Thymus

Congestion

Mild

Note: [CONGESTION] TGLs = 8-3

Uterus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 388

TRT#: 6

SEX: Female

DAY ON TEST: 458

DOSE: 1250 PPM

DISP: Interval Sacrifice

HISTO: 871089

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lung	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

Clitoral Gland	Inflammation	Chronic, Focal, Minimal
Heart	Cardiomyopathy	Mild
Kidney	Nephropathy	Minimal
Liver	Developmental Malformation	
	Hepatodiaphragmatic Nodule	
Note: DEVELOP MALFOR TGLs = 2-3		
Note: HDN TGLs = 1-3.1		
Mammary Gland	Lactation	Minimal
Nose	Inflammation	Chronic, Focal, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:49

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 389

TRT#: 6

SEX: Female

DAY ON TEST: 742

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881353

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Fatty Change	Minimal
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 1-8			
Uterus		Cyst	
Note: [CYST] TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 390

TRT#: 6

SEX: Female

DAY ON TEST: 742

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881352

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	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	Mammary Gland	Ovary
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Minimal
Note: [BASOPH FOCUS] TGLs = 3-6.1			
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 2-8			
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus		Polyp Stromal	
Note: [POLYP STROMAL] TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 391

TRT#: 6

SEX: Female

DAY ON TEST: 430

DOSE: 1250 PPM

DISP: Moribund

HISTO: 870971

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Clitoral Gland	Esophagus	Eye	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Brain Note: HYDROCEPHALUS TGLs = 9-5		Hydrocephalus	Mild
Liver		Granuloma	Moderate
Mammary Gland Note: LACTATION TGLs = 10-10		Lactation	Moderate
Ovary Note: CYST TGLs = 2-6		Cyst	
Pituitary Gland Note: ADENOMA TGLs = 8-8.1	Pars Distalis	Adenoma	
Spleen		Pigmentation	Hemosiderin, Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:49

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 392

TRT#: 6

SEX: Female

DAY ON TEST: 742

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881357

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Salivary Glands
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Rectum
Islets, Pancreatic
Ovary
Skin
Thymus

Blood
Esophagus
Intestine Small - Duodenum
Lung
Pancreas
Spleen
Thyroid Gland

Bone
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Parathyroid Gland
Stomach - Forestomach
Trachea

OBSERVATIONS

Bone Marrow
Heart
Kidney
Liver

Mammary Gland
Note: [FIBROADENOMA] TGLs = 1-13
Nose
Pituitary Gland
Note: [ADENOMA] TGLs = 2+3-8
Uterus

Pars Distalis

Hyperplasia
Cardiomyopathy
Nephropathy
Basophilic Focus
Clear Cell Focus
Granuloma
Fibroadenoma

Inflammation
Adenoma

Polyp Stromal

Mild
Minimal
Mild

Mild

Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 393

TRT#: 6

SEX: Female

DAY ON TEST: 458

DOSE: 1250 PPM

DISP: Interval Sacrifice

HISTO: 871090

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Mammary Gland
Salivary Glands
Thymus
Uterus

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Rectum
Islets, Pancreatic
Ovary
Skin
Thyroid Gland

Bone
Esophagus
Intestine Small - Duodenum
Liver
Pancreas
Stomach - Forestomach
Trachea

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Parathyroid Gland
Stomach - Glandular
Urinary Bladder

OBSERVATIONS

Heart
Kidney
Lung
 Note: CONGESTION TGLs = 2-2
Lymph Node
Nose
Pituitary Gland
Spleen

Mesenteric

Pars Distalis

Cardiomyopathy
Nephropathy
Congestion

Congestion
Inflammation
Cyst
Pigmentation

Mild
Minimal
Minimal

Mild
Chronic, Focal, Mild

Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 394

TRT#: 6

SEX: Female

DAY ON TEST: 541

DOSE: 1250 PPM

DISP: Moribund

HISTO: 881356

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Brain	Clitoral Gland	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Uterus			

MISSING

Urinary Bladder

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Intestine Large	Colon	Parasite Metazoan	Marked
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
Nose		Inflammation	Chronic, Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
Thyroid Gland	C Cell	Adenoma	

Note: [ADENOMA] TGLs = 1-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 395

TRT#: 6

SEX: Female

DAY ON TEST: 456

DOSE: 1250 PPM

DISP: Interval Sacrifice

HISTO: 871091

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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 - Mesenteric
Mammary Gland	Ovary	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Minimal
Lung	Alveolus	Metaplasia	Mild
Lymph Node	Mandibular	Congestion	Minimal
Note: CONGESTION	TGLs = 1-9		
Nose		Inflammation	Chronic, Focal, Mild
Pancreas	Acinus	Atrophy	Focal, Mild
Spleen		Pigmentation	Hemosiderin, Mild
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 396

TRT#: 6

SEX: Female

DAY ON TEST: 743

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881360

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	Brain	Clitoral Gland	Esophagus
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite Metazoan	Marked
Kidney		Nephropathy	Moderate
Liver		Basophilic Focus	
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: [FIBROADENOMA] TGLs = 1-13			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 2-8			
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 397

TRT#: 6

SEX: Female

DAY ON TEST: 743

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881359

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Clitoral Gland	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Blood		Leukemia Mononuclear	
Bone Marrow		Hyperplasia	Minimal
Eye		Cataract	Mild
Note: [CATARACT] TGLs = 2-13			
Kidney		Nephropathy	Minimal
Liver		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 4-6			
Lymph Node	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: [FIBROADENOMA] TGLs = 1-14			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Marked
Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 398

TRT#: 6

SEX: Female

DAY ON TEST: 673

DOSE: 1250 PPM

DISP: Moribund

HISTO: 881358

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Heart	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland
Parathyroid Gland	Salivary Glands	Skin	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Bone Marrow		Hyperplasia	Marked
Clitoral Gland		Cyst	
Note: [CYST] TGLs = 3-10			
Intestine Large	Cecum	Leukemia Mononuclear	
	Rectum	Parasite Metazoan	Moderate
Note: [LEUKEMIA MONUC] TGLs = 14-5.1			
Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 8-6			
Lung		Leukemia Mononuclear	
Lymph Node	Axillary	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 11-3			
[Leukemia Mononuclear TGLS = 7-8.1]			
[Leukemia Mononuclear TGLS = 12-14]			
[Leukemia Mononuclear TGLS = 1-9.1]			
[Leukemia Mononuclear TGLS = 9-13]			
Nose		Inflammation	Chronic, Mild
Ovary		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 398	TRT#: 6 DOSE: 1250 PPM	SEX: Female DISP: Moribund	DAY ON TEST: 673 HISTO: 881358
-----------------------	---	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

Pancreas	Acinus	Atrophy	Mild
Pituitary Gland		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 13-8			
Spleen		Hemorrhage	Focal, Marked
		Leukemia Mononuclear	
Note: [HEMORRHAGE] TGLs = 5-3.1 [Hemorrhage TGLS = 4-3.1]			
Stomach	Forestomach	Leukemia Mononuclear	
Thymus		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 10-3			
Uterus		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 6-7			

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 399

TRT#: 6

SEX: Female

DAY ON TEST: 742

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881361

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	Brain	Clitoral Gland	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Intestine Large	Rectum	Parasite Metazoan	Marked
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 1-8			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 400

TRT#: 6

SEX: Female

DAY ON TEST: 456

DOSE: 1250 PPM

DISP: Interval Sacrifice

HISTO: 871092

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Clitoral Gland
Heart	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lung	Lymph Node - Mandibular	Ovary
Pancreas	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Urinary Bladder	Uterus

MISSING

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Esophagus	Lymph Node - Mesenteric
Mammary Gland	Parathyroid Gland	Pituitary Gland	Thyroid Gland
Trachea			

OBSERVATIONS

Intestine Large	Colon	Parasite Metazoan	Mild
Lymph Node	Pancreatic	Pigmentation	Mild
Note: PIGMENT	TGLs = 2-9		
Nose		Inflammation	Chronic, Focal, Minimal
Spleen		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: BLOCK 8 LOST IN PROCESSING

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 401	TRT#: 6	SEX: Female	DAY ON TEST: 742
	DOSE: 1250 PPM	DISP: Terminal Sacrifice	HISTO: 881363

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Parathyroid Gland	Pituitary Gland
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Mammary Gland	Skin
---------------	------

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
Heart		Cardiomyopathy	Mild
Intestine Large	Rectum	Parasite Metazoan	Moderate
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
Pancreas	Acinus	Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:49

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 402

TRT#: 6

SEX: Female

DAY ON TEST: 310

DOSE: 1250 PPM

DISP: Moribund

HISTO: 870972

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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	Kidney	Lung
Lymph Node - Mesenteric	Mammary Gland	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland Note: HYPERTROPHY TGLs = 1-8	Cortex	Hypertrophy	Mild
Liver Lymph Node Note: INFILTRAT CELL TGLs = 3-9	Mandibular	Fatty Change Infiltration Cellular	Moderate Plasma Cell, Marked
Nose		Inflammation Metaplasia Pigmentation	Chronic, Marked Squamous, Moderate Hemosiderin, Mild
Spleen Stomach Note: SQ CL PAPILOM TGLs = 2+4-7	Forestomach	Squamous Cell Papilloma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:49

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 403

TRT#: 6

SEX: Female

DAY ON TEST: 483

DOSE: 1250 PPM

DISP: Dead

HISTO: 881365

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Clitoral Gland	Esophagus
Heart	Intestine Large - Colon	Intestine Small - Duodenum	Islets, Pancreatic
Mammary Gland	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Uterus			

MISSING

Thymus

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Small - Ileum	Intestine Small - Jejunum
-------------------------	-------------------------	---------------------------

OBSERVATIONS

Adrenal Gland Note: [LEUKEMIA MONUC] TGLs = 3-8	Cortex	Leukemia Mononuclear	
Bone Marrow		Atrophy	Moderate
Brain		Hemorrhage	Focal, Mild
Intestine Large	Rectum	Parasite Metazoan	Moderate
Kidney Note: [AUTOLYSIS] TGLs = 4-4 [Autolysis TGLS = 5-4]		Autolysis	Moderate
		Leukemia Mononuclear	
Liver		Leukemia Mononuclear	
Lung Note: [HEMORRHAGE] TGLs = 7-2+3 [Hemorrhage TGLS = 6-2+3]		Hemorrhage	Focal, Moderate
		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Nose Note: [LEUKEMIA MONUC] TGLs = 1-9		Fungus	Marked
		Inflammation	Acute, Moderate
Ovary		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 403

TRT#: 6

SEX: Female

DAY ON TEST: 483

DOSE: 1250 PPM

DISP: Dead

HISTO: 881365

ORGAN AND ACCOUNTABLE SITE STATUS

Pancreas

Leukemia Mononuclear

Pituitary Gland

Leukemia Mononuclear

Spleen

Leukemia Mononuclear

Note: [LEUKEMIA MONUC] TGLs = 2-3.1

Urinary Bladder

Hemorrhage

Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 404

TRT#: 6

SEX: Female

DAY ON TEST: 742

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881362

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	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	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Granuloma	Mild
Note: [BASOPH FOCUS] TGLs = 2-6,4+5-6.1			
Mammary Gland		Fibroadenoma	
Note: [FIBROADENOMA] TGLs = 1-13			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 3-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 405

TRT#: 6

SEX: Female

DAY ON TEST: 742

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881364

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	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	Mammary Gland	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Clear Cell Focus	
Note: [BASOPH FOCUS] TGLs = 4-6			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Note: [HYPERPLASIA] TGLs = 1-8			
Skeletal Muscle		Fibrosis	Moderate
Note: [FIBROSIS] TGLs = 2+3-13+14			
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 406

TRT#: 6

SEX: Female

DAY ON TEST: 743

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881369

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Moderate
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
Note: [HDN] TGLs = 1-6			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	Two
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:49

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 407

TRT#: 6

SEX: Female

DAY ON TEST: 743

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881367

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Mammary Gland
Salivary Glands
Thymus
Uterus

Blood
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Ovary
Spleen
Thyroid Gland

Bone Marrow
Heart
Intestine Small - Duodenum
Lymph Node - Mandibular
Pancreas
Stomach - Forestomach
Trachea

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mesenteric
Parathyroid Gland
Stomach - Glandular
Urinary Bladder

OBSERVATIONS

Adrenal Gland
Bone
Kidney
Liver

Cortex

Cytoplasmic Alteration
Hyperostosis
Nephropathy
Fatty Change
Fibrosarcoma

Focal, Marked
Moderate
Mild
Mild
Metastatic (Uncertain Primary Site)

Note: [FIBROSARC] TGLs = 3+4-6+6.1

Lung

Alveolar Epith

Fibrosarcoma
Metaplasia

Metastatic (Uncertain Primary Site)
Marked

Note: [METAPL] TGLs = 2-2

Nose

Inflammation

Chronic, Mild

Pituitary Gland

Pars Distalis

Adenoma

Note: [ADENOMA] TGLs = 5-8

Skin

Fibrosarcoma

Note: [FIBROSARC] TGLs = 1-13

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 408

TRT#: 6

SEX: Female

DAY ON TEST: 743

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881368

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Mild
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Granuloma	Minimal
Note: [BASOPH FOCUS] TGLs = 3-6.1			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 2-8			
Uterus		Polyp Stromal	
Note: [POLYP STROMAL] TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 409

TRT#: 6

SEX: Female

DAY ON TEST: 627

DOSE: 1250 PPM

DISP: Moribund

HISTO: 881370

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Ovary	Parathyroid Gland	Salivary Glands	Skin
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Islets, Pancreatic	Mammary Gland	Pancreas
--------------------	---------------	----------

OBSERVATIONS

Bone Marrow		Hyperplasia	Marked
Clitoral Gland		Abscess	Moderate
Kidney		Fibrosis	Focal, Mild
		Nephropathy	Mild
Liver		Basophilic Focus	
		Fatty Change	Mild
Note: [BASOPH FOCUS] TGLs = 6-6			
Mesentery	Fat	Necrosis	Marked
Note: [NECROSIS] TGLs = 3-13			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 5-8			
Spleen		Congestion	Focal, Mild
[Congestion TGLS = 4-3]			
Stomach	Forestomach	Squamous Cell Papilloma	
Uterus		Sarcoma Stromal	
Note: [SARC STROMAL] TGLs = 1+2-7.1+7.2+7.3			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 410

TRT#: 6

SEX: Female

DAY ON TEST: 743

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881366

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	Brain	Clitoral Gland	Esophagus
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
Note: [BASOPH FOCUS] TGLs = 3-6+6.1			
Nose		Inflammation	Chronic, Moderate
Pituitary Gland	Pars Distalis	Angiectasis	Moderate
Note: [ANGIECTASIS] TGLs = 2-8			
Uterus	Endometrium	Cyst	
Note: [CYST] TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:49

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 411

TRT#: 6

SEX: Female

DAY ON TEST: 743

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881373

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone Marrow
Brain	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Bone		Hyperostosis	Moderate
Clitoral Gland		Inflammation	Acute, Mild
Heart		Cardiomyopathy	Mild
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Granuloma	Moderate
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 3-8			
Uterus		Polyp Stromal	
Note: [POLYP STROMAL] TGLs = 1-7+7.1			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:49
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 412	TRT#: 6	SEX: Female	DAY ON TEST: 743
	DOSE: 1250 PPM	DISP: Terminal Sacrifice	HISTO: 881371

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	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	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
Lung	Alveolar Epith	Metaplasia	Marked
Nose		Inflammation	Chronic, Mild
Ovary		Cyst	
Note: [CYST] TGLs = 1-7			
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 413

TRT#: 6

SEX: Female

DAY ON TEST: 743

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881372

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	Brain	Clitoral Gland	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 414

TRT#: 6

SEX: Female

DAY ON TEST: 743

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881374

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	Brain	Clitoral Gland	Esophagus
Heart	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Ovary	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Intestine Large	Cecum, Muscularis	Hypertrophy	Moderate
	Rectum	Parasite Metazoan	Moderate
Note: [HYPERTROPHY] TGLs = 3-5.1			
Kidney		Nephropathy	Moderate
Liver		Basophilic Focus	
		Granuloma	Minimal
Nose		Inflammation	Chronic, Moderate
		Inflammation	Acute, Mild
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	Two
Note: [ADENOMA] TGLs = 1+2-8			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 415

TRT#: 6

SEX: Female

DAY ON TEST: 743

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881375

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	Brain	Clitoral Gland	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Intestine Small	Duodenum	Parasite Metazoan	Mild
Kidney		Fibrosis	Focal, Marked
		Nephropathy	Moderate
Note: [FIBROSIS] TGLs = 2-4			
Liver		Basophilic Focus	
		Developmental Malformation	
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: [BASOPH FOCUS] TGLs = 3-6			
Note: [DEVELOP MALFOR] TGLs = 5-6			
Nose		Inflammation	Chronic, Mild
Ovary		Congestion	Moderate
Note: [CONGESTION] TGLs = 1-7			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 4-8			
Spleen		Leukemia Mononuclear	
Thyroid Gland	C Cell	Adenoma	Two
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:50

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 416

TRT#: 6

SEX: Female

DAY ON TEST: 458

DOSE: 1250 PPM

DISP: Interval Sacrifice

HISTO: 871093

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Clitoral Gland	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mesenteric
Mammary Gland	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Brain		Glioma Malignant	
Note: GLIOMA MAL	TGLs = 3+4-5.1		
Kidney		Nephropathy	Minimal
Liver		Angiectasis	Moderate
Note: ANGIECTASIS	TGLs = 5-3		
Nose		Inflammation	Chronic, Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 2-8		
Spleen		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 417

TRT#: 6

SEX: Female

DAY ON TEST: 458

DOSE: 1250 PPM

DISP: Interval Sacrifice

HISTO: 871094

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lung
Lymph Node - Mesenteric	Mammary Gland	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Liver		Developmental Malformation	
Note: DEVELOP MALFOR TGLs = 3-3			
Lymph Node	Mandibular	Congestion	Moderate
Note: CONGESTION TGLs = 4-9			
Nose		Inflammation	Chronic, Focal, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2-8			
Spleen		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 418

TRT#: 6

SEX: Female

DAY ON TEST: 643

DOSE: 1250 PPM

DISP: Moribund

HISTO: 881377

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Pancreas
Skin
Thymus
Uterus

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Parathyroid Gland
Spleen
Thyroid Gland

Blood
Heart
Intestine Small - Duodenum
Lung
Nose
Pituitary Gland
Stomach - Forestomach
Trachea

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Ovary
Salivary Glands
Stomach - Glandular
Urinary Bladder

OBSERVATIONS

Bone
Brain
 [Ependymoma Malignant TGLS = 2+3-1]
Kidney
Liver

Hyperostosis
Ependymoma Malignant

Nephropathy
Basophilic Focus
Granuloma

Mild

Minimal

Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 419

TRT#: 6

SEX: Female

DAY ON TEST: 456

DOSE: 1250 PPM

DISP: Interval Sacrifice

HISTO: 871095

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Liver
Lung	Lymph Node - Mesenteric	Mammary Gland	Ovary
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Kidney		Nephropathy	Minimal
Lymph Node	Mandibular	Congestion	Minimal
	Mediastinal	Congestion	Mild
	Mediastinal	Pigmentation	Mild
Note: TISSUE SUBMITTED AS THYMUS IS MEDIASTINAL LYMPH NODE			
Note: PIGMENT TGLs = 2-2			
Nose		Inflammation	Chronic, Focal, Mild
Pancreas	Acinus	Atrophy	Focal, Mild
Spleen		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:50

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 420

TRT#: 6

SEX: Female

DAY ON TEST: 743

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881376

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Bone Marrow
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Salivary Glands
Thymus
Uterus

Adrenal Gland - Medulla
Esophagus
Intestine Small - Duodenum
Lung
Ovary
Spleen
Thyroid Gland

Blood
Heart
Intestine Small - Ileum
Lymph Node - Mandibular
Pancreas
Stomach - Forestomach
Trachea

Bone
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Parathyroid Gland
Stomach - Glandular
Urinary Bladder

OBSERVATIONS

Brain
Clitoral Gland
Note: [ABSCESS] TGLs = 2-10
Intestine Large
Kidney
Liver

Nose
Pituitary Gland
Note: [ADENOMA] TGLs = 4-8
Skin
Note: [KERATOACANTHMA] TGLs = 1-13

Cecum

Pars Distalis

Compression
Abscess

Parasite Metazoan
Nephropathy
Basophilic Focus
Granuloma
Inflammation
Adenoma

Keratoacanthoma

Marked
Two, Marked

Mild
Moderate

Mild
Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 421

TRT#: 6

SEX: Female

DAY ON TEST: 458

DOSE: 1250 PPM

DISP: Interval Sacrifice

HISTO: 871096

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Eye	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mesenteric
Mammary Gland	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Thymus

OBSERVATIONS

Clitoral Gland		Cyst	
Note: CYST	TGLs = 5-10		
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver		Clear Cell Focus	
Lymph Node	Mediastinal	Congestion	Minimal
	Mandibular	Pigmentation	Mild
Note: PIGMENT	TGLs = 2-9		
Note: CONGESTION	TGLs = 3-2		
Nose		Fungus	Marked
		Inflammation	Acute, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 422	TRT#: 6	SEX: Female	DAY ON TEST: 744
	DOSE: 1250 PPM	DISP: Terminal Sacrifice	HISTO: 881380

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Mammary Gland
Nose	Ovary	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Blood		Leukemia Mononuclear	
Bone		Hyperostosis	Moderate
Intest Large			
Note: COLON IS ON SLIDE 7			
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Developmental Malformation	
		Granuloma	Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: [DEVELOP MALFOR] TGLs = 1-6.1			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Cyst	
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3]			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:50

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 423

TRT#: 6

SEX: Female

DAY ON TEST: 744

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881381

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood	Bone	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Pituitary Gland	Thymus
-----------------	--------

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Moderate
Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Moderate
	Artery	Inflammation	Chronic, Moderate
Intestine Small	Artery, Duodenum	Inflammation	Acute, Marked
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Developmental Malformation	
		Granuloma	Mild
Note: [DEVELOP MALFOR] TGLs = 4-6.1			
Mammary Gland		Lactation	Mild
Note: [LACTATION] TGLs = 1-10			
Mesentery	Artery	Inflammation	Chronic, Marked
Note: [INFLAMMATION] TGLs = 3-13			
Nose		Inflammation	Chronic, Mild
Pancreas	Artery	Inflammation	Acute, Marked
Note: [INFLAMMATION] TGLs = 2-9.1			
Stomach	Artery, Glandular	Inflammation	Chronic, Marked
Uterus			
Note: LARGE UTERUS IS ACTUALLY NORMAL VAGINA TGL 5			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 423

TRT#: 6

SEX: Female

DAY ON TEST: 744

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881381

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 424

TRT#: 6

SEX: Female

DAY ON TEST: 744

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881379

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Ovary	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Bone		Hyperostosis	Moderate
Heart		Cardiomyopathy	Mild
Intestine Large	Rectum	Parasite Metazoan	Marked
Kidney		Nephropathy	Moderate
Liver		Basophilic Focus	
		Clear Cell Focus	
		Granuloma	Mild
	Bile Duct	Hyperplasia	Mild
Note: [BASOPH FOCUS] TGLs = 1+3-6+6.1			
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Adenoma	
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 2-8			
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:50

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 425

TRT#: 6

SEX: Female

DAY ON TEST: 744

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881378

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Salivary Glands
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Ovary
Skin
Thymus
Uterus

Bone
Heart
Intestine Small - Duodenum
Lung
Pancreas
Spleen
Thyroid Gland

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Parathyroid Gland
Stomach - Forestomach
Trachea

OBSERVATIONS

Brain

Kidney
Liver
 Note: [BASOPH FOCUS] TGLs = 3+4-6
Mammary Gland
 Note: [GALACTOCELE] TGLs = 1-13
Nose
Pituitary Gland
 Note: [CARCINOMA] TGLs = 2-8

Pars Distalis

Carcinoma
Compression
Nephropathy
Basophilic Focus

Galactocele

Inflammation
Carcinoma

Metastatic (Uncertain Primary Site)
Marked
Moderate

Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:50

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 426

TRT#: 6

SEX: Female

DAY ON TEST: 743

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881384

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Blood

Bone

Bone Marrow

Brain

Clitoral Gland

Esophagus

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Lung

Lymph Node - Mandibular

Lymph Node - Mesenteric

Mammary Gland

Ovary

Pancreas

Parathyroid Gland

Pituitary Gland

Salivary Glands

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

Urinary Bladder

Uterus

OBSERVATIONS

Kidney

Papilla

Fibrosis

Focal, Moderate

Nephropathy

Mild

Liver

Basophilic Focus

Granuloma

Moderate

Hepatodiaphragmatic Nodule

Bile Duct

Hyperplasia

Mild

Note: [HDN] TGLs = 1-6

Nose

Inflammation

Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 427

TRT#: 6

SEX: Female

DAY ON TEST: 743

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881386

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood	Bone	Brain	Clitoral Gland
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

MISSING

Adrenal Gland - Cortex	Adrenal Gland - Medulla
------------------------	-------------------------

OBSERVATIONS

Bone Marrow		Hyperplasia	Minimal
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Minimal
Liver		Granuloma	Moderate
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 3-6			
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: [FIBROADENOMA] TGLs = 1-13			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Angiectasis	Moderate
Note: [ANGIECTASIS] TGLs = 4-8			
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3]			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 428	TRT#: 6	SEX: Female	DAY ON TEST: 743
	DOSE: 1250 PPM	DISP: Terminal Sacrifice	HISTO: 881385

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Granuloma	Mild
Note: [BASOPH FOCUS] TGLs = 4-6+6.1			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 1-8			
Uterus		Polyp Stromal	
Note: [POLYP STROMAL] TGLs = 3-7			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 429

TRT#: 6

SEX: Female

DAY ON TEST: 743

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881383

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Islets, Pancreatic
Mammary Gland
Salivary Glands
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Clitoral Gland
Intestine Small - Duodenum
Lung
Ovary
Skin
Thymus
Uterus

Blood
Esophagus
Intestine Small - Ileum
Lymph Node - Mandibular
Pancreas
Spleen
Thyroid Gland

Bone Marrow
Intestine Large - Cecum
Intestine Small - Jejunum
Lymph Node - Mesenteric
Parathyroid Gland
Stomach - Forestomach
Trachea

OBSERVATIONS

Bone
Heart
Intestine Large
Kidney
Liver

Rectum

Hyperostosis
Cardiomyopathy
Parasite Metazoan
Nephropathy
Basophilic Focus
Clear Cell Focus

Moderate
Minimal
Moderate
Moderate

Note: [BASOPH FOCUS] TGLs = 2-6+6.1

Nose

Pituitary Gland

Note: [ADENOMA] TGLs = 1-8

Pars Distalis

Inflammation
Adenoma

Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:50

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 430

TRT#: 6

SEX: Female

DAY ON TEST: 643

DOSE: 1250 PPM

DISP: Moribund

HISTO: 881387

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Moderate
Liver		Basophilic Focus	
		Clear Cell Focus	
Note: [CLEAR CL FOCUS] TGLs = 4-6			
Nose		Fungus	Marked
		Inflammation	Acute, Marked
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 2-8			
Uterus		Polyp Stromal	
Note: [POLYP STROMAL] TGLs = 1-7.1			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:50

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 431

TRT#: 6

SEX: Female

DAY ON TEST: 743

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881390

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Clitoral Gland
Intestine Large - Rectum
Islets, Pancreatic
Ovary
Skin
Thymus

Adrenal Gland - Medulla
Esophagus
Intestine Small - Duodenum
Lung
Pancreas
Spleen
Thyroid Gland

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Parathyroid Gland
Stomach - Forestomach
Trachea

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Salivary Glands
Stomach - Glandular
Urinary Bladder

OBSERVATIONS

Bone
Heart
Kidney
Liver

Hyperostosis
Cardiomyopathy
Nephropathy
Basophilic Focus
Granuloma

Moderate
Minimal
Mild
Mild

Note: [BASOPH FOCUS] TGLs = 2-6+6.1

Mammary Gland

Note: [FIBROADENOMA] TGLs = 1-13

Fibroadenoma

Nose

Inflammation

Chronic, Mild

Pituitary Gland

Pars Distalis

Adenoma

Pars Distalis

Carcinoma

Uterus

Polyp Stromal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:50

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 432

TRT#: 6

SEX: Female

DAY ON TEST: 668

DOSE: 1250 PPM

DISP: Dead

HISTO: 881392

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

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

Ovary

Pancreas

Parathyroid Gland

Salivary Glands

Skin

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

Urinary Bladder

Uterus

OBSERVATIONS

Bone

Hyperostosis

Marked

Bone Marrow

Hyperplasia

Moderate

Heart

Cardiomyopathy

Minimal

Kidney

Autolysis

Moderate

Liver

Basophilic Focus

Fatty Change

Mild

Leukemia Mononuclear

Note: [LEUKEMIA MONUC] TGLs = 3-6

Lymph Node

Mesenteric

Leukemia Mononuclear

Mammary Gland

Adenocarcinoma

Note: [ADENOCARC] TGLs = 1-13

Nose

Inflammation

Chronic, Mild

Pituitary Gland

Pars Distalis

Adenoma

Spleen

Fibrosis

Moderate

Leukemia Mononuclear

Note: [LEUKEMIA MONUC] TGLs = 2-3

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 433

TRT#: 6

SEX: Female

DAY ON TEST: 744

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881389

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	Brain	Clitoral Gland	Esophagus
Heart	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	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Intestine Large	Cecum	Parasite Metazoan	Moderate
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Clear Cell Focus	
		Granuloma	Mild
Note: [CLEAR CL FOCUS] TGLs = 5-6			
Mammary Gland		Fibroadenoma	
		Galactocele	
		Lactation	Marked
Note: [LACTATION] TGLs = 1-10			
Note: [FIBROADENOMA] TGLs = 2-14			
Nose		Inflammation	Chronic, Moderate
Pancreas	Acinus	Atrophy	Marked
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 6-8			
Tongue		Squamous Cell Papilloma	
Note: [SQ CL PAPILLOM] TGLs = 3-13			
Uterus		Polyp Stromal	
Note: [POLYP STROMAL] TGLs = 4-7			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 434

TRT#: 6

SEX: Female

DAY ON TEST: 744

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881388

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	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	Mammary Gland	Nose
Ovary	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
Note: [BASOPH FOCUS] TGLs = 1-6			
Pancreas	Acinus	Atrophy	Marked
Pituitary Gland	Pars Distalis	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:50

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 435

TRT#: 6

SEX: Female

DAY ON TEST: 743

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 881391

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Pancreas
Stomach - Forestomach
Trachea

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Parathyroid Gland
Stomach - Glandular
Urinary Bladder

Blood
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Salivary Glands
Thymus
Uterus

Bone Marrow
Heart
Intestine Small - Duodenum
Lung
Ovary
Spleen
Thyroid Gland

OBSERVATIONS

Bone
Kidney
Liver
Nose
Pituitary Gland
Note: [ADENOMA] TGLs = 2+3-8
Skin

Pars Distalis

Hyperostosis
Nephropathy
Basophilic Focus
Inflammation
Adenoma

Marked
Moderate
Chronic, Mild

Hyperkeratosis
Hyperplasia

Marked
Basal Cell, Moderate

Note: [HYPERKERATOSIS] TGLs = 1-13

Uterus
Note: ENLARGED UTERUS IS NORMAL CERVIX TGL 4

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 436

TRT#: 8

SEX: Female

DAY ON TEST: 741

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 880993

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Thymus

OBSERVATIONS

Adrenal Gland Note: [PHEOCHROM MAL] TGLs = 1-8	Medulla	Pheochromocytoma Malignant	
Heart		Cardiomyopathy	Minimal
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Mild
Liver Note: [HDN] TGLs = 2-6.1		Basophilic Focus	
Nose		Hepatodiaphragmatic Nodule	
Ovary		Inflammation	Chronic, Moderate
Pituitary Gland Note: [ADENOMA] TGLs = 3-8	Pars Distalis	Granulosa Cell Tumor Benign Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 437

TRT#: 8

SEX: Female

DAY ON TEST: 741

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 880990

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	Brain	Clitoral Gland	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Intestine Large	Rectum	Parasite Metazoan	Marked
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
Note: [HDN] TGLs = 2-6.1			
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: [FIBROADENOMA] TGLs = 1-13			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	Two
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 438	TRT#: 8	SEX: Female	DAY ON TEST: 741
	DOSE: 2500 PPM	DISP: Terminal Sacrifice	HISTO: 880992

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Heart	Cardiomyopathy	Moderate	
Liver	Basophilic Focus		
Mammary Gland	Fibroadenoma	Multiple	
Note: [FIBROADENOMA] TGLs = 1-13,2-14,3-15+15.1			
Nose	Fungus	Moderate	
	Inflammation	Chronic, Moderate	
	Inflammation	Acute, Mild	
Pancreas	Acinus	Atrophy	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 439	TRT#: 8	SEX: Female	DAY ON TEST: 669
	DOSE: 2500 PPM	DISP: Moribund	HISTO: 880994

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood	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	Lung	Lymph Node - Mandibular	Mammary Gland
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Brain		Compression	Marked
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Marked
Note: [NEPHROPATHY] TGLs = 3-4			
Liver		Basophilic Focus	
Lymph Node	Lymphatic, Mesenteric	Angiectasis	Moderate
Note: [ANGIECTASIS] TGLs = 2-8			
Nose		Inflammation	Chronic, Mild
Ovary		Cyst	
Note: [CYST] TGLs = 1-7			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 4-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:50

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 440

TRT#: 8

SEX: Female

DAY ON TEST: 741

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 880991

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Bone Marrow
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Skin
Thymus
Uterus

Adrenal Gland - Medulla
Brain
Intestine Large - Rectum
Islets, Pancreatic
Ovary
Spleen
Thyroid Gland

Blood
Esophagus
Intestine Small - Duodenum
Lung
Parathyroid Gland
Stomach - Forestomach
Trachea

Bone
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Salivary Glands
Stomach - Glandular
Urinary Bladder

MISSING

Clitoral Gland

OBSERVATIONS

Clitoral Gl

Note: TISSUE SUBMITTED AS CLITORAL GL IS MAMMARY TGL 2

Note: NO CLITORAL GLAND SEEN IN RECUT

Heart

Cardiomyopathy

Moderate

Kidney

Nephropathy

Mild

Liver

Basophilic Focus

Mammary Gland

Fibroadenoma

Note: [FIBROADENOMA] TGLs = 1-13

Nose

Inflammation

Chronic, Moderate

Pancreas

Acinus

Atrophy

Mild

Pituitary Gland

Pars Distalis

Hyperplasia

Focal, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 441

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 880995

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Ovary
Skin
Thyroid Gland

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Lung
Pancreas
Stomach - Forestomach
Trachea

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Parathyroid Gland
Stomach - Glandular
Urinary Bladder

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Salivary Glands
Thymus

OBSERVATIONS

Bone
Clitoral Gland
Kidney
Liver
 Note: [LEUKEMIA MONUC] TGLs = 4-6
Mammary Gland
 Note: [FIBROADENOMA] TGLs = 1-13
Nose
Pituitary Gland
 Note: [ADENOMA] TGLs = 5-8
Spleen
 [Leukemia Mononuclear TGLS = 3-3.1]
Uterus
 Note: [CYST] TGLs = 2-7

Pars Distalis

Endometrium

Hyperostosis
Inflammation
Nephropathy
Leukemia Mononuclear

Fibroadenoma

Inflammation
Adenoma

Leukemia Mononuclear

Cyst

Mild
Acute, Mild
Minimal

Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:50

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 442

TRT#: 8

SEX: Female

DAY ON TEST: 456

DOSE: 2500 PPM

DISP: Interval Sacrifice

HISTO: 871003

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Pancreas
Stomach - Forestomach
Trachea

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Parathyroid Gland
Stomach - Glandular
Urinary Bladder

Bone
Heart
Intestine Small - Duodenum
Kidney
Mammary Gland
Salivary Glands
Thymus

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Ovary
Skin
Thyroid Gland

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Clitoral Gland
Nose
Pituitary Gland
Spleen
Uterus

Pars Distalis

Inflammation
Inflammation
Cyst
Pigmentation
Polyp Stromal

Chronic, Focal, Minimal
Chronic, Focal, Minimal
Hemosiderin, Mild

Note: POLYP STROMAL TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 443

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 880997

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Clitoral Gland		Cyst	
Note: [CYST] TGLs = 2-10			
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Clear Cell Focus	
Note: [BASOPH FOCUS] TGLs = 1-6.1	Bile Duct	Hyperplasia	Minimal
Nose		Inflammation	Chronic, Mild
Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 444

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 880996

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Intestine Large	Rectum	Parasite Metazoan	Moderate
Kidney		Nephropathy	Minimal
Liver		Clear Cell Focus	
		Granuloma	Moderate
Note: [GRANULOMA] TGLs = 4-6			
Note: [CLEAR CL FOCUS] TGLs = 5-6.1			
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: [FIBROADENOMA] TGLs = 1-13			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 3-8			
Thymus		Thymoma Benign	
[Thymoma Benign TGLS = 2-3.1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 445

TRT#: 8

SEX: Female

DAY ON TEST: 456

DOSE: 2500 PPM

DISP: Interval Sacrifice

HISTO: 871004

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Eye
Heart	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lung
Lymph Node - Mesenteric	Mammary Gland	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Intestine Large - Rectum

OBSERVATIONS

Intestine Large	Cecum	Parasite Metazoan	Minimal
Liver		Cytoplasmic Alteration	Focal, Mild
	Perivascular	Inflammation	Chronic, Mild
Note: CYTOPLAS ALTER TGLs = 2-3			
Lymph Node	Mandibular	Congestion	Mild
	Mediastinal	Pigmentation	Mild
Note: CONGESTION TGLs = 3-9			
Note: PIGMENT TGLs = 4-2			
Nose		Inflammation	Chronic, Focal, Mild
		Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Cyst	
Spleen		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 446

TRT#: 8

SEX: Female

DAY ON TEST: 458

DOSE: 2500 PPM

DISP: Interval Sacrifice

HISTO: 871005

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Parathyroid Gland
Stomach - Forestomach
Urinary Bladder

Adrenal Gland - Medulla
Clitoral Gland
Intestine Small - Duodenum
Lung
Nose
Pituitary Gland
Stomach - Glandular
Uterus

Bone
Esophagus
Intestine Small - Ileum
Lymph Node - Mandibular
Ovary
Salivary Glands
Thymus

Bone Marrow
Intestine Large - Cecum
Intestine Small - Jejunum
Lymph Node - Mesenteric
Pancreas
Skin
Trachea

OBSERVATIONS

Heart
Intestine Large
Kidney
Liver
Lymph Node
Spleen
Thyroid Gland

Colon
Bile Duct
Mediastinal
C Cell

Cardiomyopathy
Parasite Metazoan
Nephropathy
Hyperplasia
Pigmentation
Pigmentation
Adenoma

Minimal
Mild
Mild
Minimal
Mild
Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 447

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 880998

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Ovary	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Clitoral Gland		Adenoma	
Note: [ADENOMA] TGLs = 3-10			
Heart		Cardiomyopathy	Moderate
Intestine Large	Rectum	Parasite Metazoan	Marked
Kidney		Nephropathy	Mild
Liver		Granuloma	Minimal
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 2-8			
Uterus		Polyp Stromal	
Note: [POLYP STROMAL] TGLs = 1-7.1			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 448

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 2500 PPM

DISP: Moribund

HISTO: 880999

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
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	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Bone Marrow		Hyperplasia	Marked
Clitoral Gland		Inflammation	Acute, Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver		Fatty Change	Moderate
		Leukemia Mononuclear	
Note: [FATTY CHANGE] TGLs = 5-6+6.1			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 4-8			
Mammary Gland		Fibroadenoma	
Note: [FIBROADENOMA] TGLs = 1-13			
Nose		Inflammation	Chronic, Mild
Spleen		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 3-3.1			
Thymus		Leukemia Mononuclear	
Uterus		Polyp Stromal	Two
Note: [POLYP STROMAL] TGLs = 2-7,6-7.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 449

TRT#: 8

SEX: Female

DAY ON TEST: 692

DOSE: 2500 PPM

DISP: Moribund

HISTO: 881000

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone Marrow
Brain	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Mammary Gland
Ovary	Salivary Glands	Skin	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Bone		Hyperostosis	Moderate
Clitoral Gland		Cyst	Two
Note: [CYST] TGLs = 1-10			
Heart		Mineralization	Mild
Kidney		Mineralization	Mild
	Papilla	Necrosis	Marked
		Nephropathy	Mild
Note: [NECROSIS] TGLs = 3-4			
Liver		Developmental Malformation	
		Granuloma	Moderate
Note: [DEVELOP MALFOR] TGLs = 4-6			
Lymph Node	Mesenteric	Depletion Lymphoid	Moderate
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Minimal
Parathyroid Gland		Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Pigmentation	Hemosiderin, Marked
[Pigmentation TGLS = 2-3]			
Stomach	Forestomach	Acanthosis	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 450

TRT#: 8

SEX: Female

DAY ON TEST: 679

DOSE: 2500 PPM

DISP: Moribund

HISTO: 881001

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Bone Marrow		Hyperplasia	Moderate
Kidney		Nephropathy	Mild
Liver		Fatty Change	Marked
	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Mild
		Leukemia Mononuclear	
Note: [HDN] TGLs = 4-6.1			
Note: [FATTY CHANGE] TGLs = 3-6+6.1			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Nose		Inflammation	Chronic, Mild
Ovary		Cyst	
Note: [CYST] TGLs = 1-7			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 5-8			
Spleen		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 2-3.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 451

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 881003

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	Brain	Clitoral Gland	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Intestine Large	Rectum	Parasite Metazoan	Moderate
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
Pituitary Gland	Pars Distalis	Adenoma	
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 452

TRT#: 8

SEX: Female

DAY ON TEST: 741

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 881005

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Pancreas
Skin
Thymus

Adrenal Gland - Medulla
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Parathyroid Gland
Spleen
Thyroid Gland

Blood
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Pituitary Gland
Stomach - Forestomach
Trachea

Bone
Heart
Intestine Small - Duodenum
Lung
Ovary
Salivary Glands
Stomach - Glandular
Urinary Bladder

OBSERVATIONS

Clitoral Gland

Cyst

Inflammation

Chronic, Mild

Note: [CYST] TGLs = 1-10

Kidney

Nephropathy

Moderate

Liver

Bile Duct

Hyperplasia

Mild

Nose

Inflammation

Chronic, Mild

Uterus

Endometrium

Cyst

Note: [CYST] TGLs = 2-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 453	TRT#: 8	SEX: Female	DAY ON TEST: 456
	DOSE: 2500 PPM	DISP: Interval Sacrifice	HISTO: 871006

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Liver
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Lung		Congestion	Minimal
Note: CONGESTION	TGLs = 2-1+2		
Pancreas	Acinus	Atrophy	Focal, Minimal
Spleen		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 454

TRT#: 8

SEX: Female

DAY ON TEST: 707

DOSE: 2500 PPM

DISP: Moribund

HISTO: 881002

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	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	Lung	Lymph Node - Mandibular
Mammary Gland	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
Lymph Node	Mesenteric	Congestion	Moderate
Note: [CONGESTION] TGLs = 2-8			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Cyst	
Skin		Fibroma	
Note: [FIBROMA] TGLs = 1-13+13.1			
Thyroid Gland	C Cell	Adenoma	Two

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 455

TRT#: 8

SEX: Female

DAY ON TEST: 741

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 881004

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Clear Cell Focus	
		Granuloma	Minimal
Note: [BASOPH FOCUS] TGLs = 2-6			
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 1-8			
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:50

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 456

TRT#: 8

SEX: Female

DAY ON TEST: 741

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 881006

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Salivary Glands
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Small - Duodenum
Lung
Pancreas
Skin
Thymus

Bone
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Parathyroid Gland
Spleen
Thyroid Gland

Bone Marrow
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Pituitary Gland
Stomach - Forestomach
Trachea

OBSERVATIONS

Clitoral Gland
Note: [CYST] TGLs = 1-10
Eye
Note: [CATARACT] TGLs = 3-13
Heart
Kidney
Liver

Note: [DEVELOP MALFOR] TGLs = 2-6.2
Note: [BASOPH FOCUS] TGLs = 4-6+6.1
Nose
Ovary
Uterus

Cyst

Cataract Moderate

Cardiomyopathy Minimal
Nephropathy Minimal
Basophilic Focus
Clear Cell Focus
Developmental Malformation

Inflammation Chronic, Mild
Granuloma Moderate
Polyp Stromal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 457

TRT#: 8

SEX: Female

DAY ON TEST: 699

DOSE: 2500 PPM

DISP: Dead

HISTO: 881010

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Clitoral Gland
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Salivary Glands
Trachea

Adrenal Gland - Medulla
Esophagus
Intestine Small - Duodenum
Lung
Nose
Stomach - Forestomach
Uterus

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Ovary
Thymus

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Pancreas
Thyroid Gland

MISSING

Skin

AUTO PRECLUDES DIAG.

Urinary Bladder

OBSERVATIONS

Bone
Heart
Kidney

Hyperostosis
Mineralization
Mineralization
Nephropathy
Basophilic Focus
Fatty Change
Hyperplasia
Carcinoma

Moderate
Marked
Moderate
Moderate

Liver

Pars Distalis

Moderate
Mild

Parathyroid Gland
Pituitary Gland

Note: [CARCINOMA] TGLs = 1-8

Spleen
Stomach

Pigmentation
Mineralization

Hemosiderin, Marked
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 458

TRT#: 8

SEX: Female

DAY ON TEST: 741

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 881007

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Clitoral Gland	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Mammary Gland
Ovary	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Bone Marrow		Hyperplasia	Marked
Kidney		Nephropathy	Minimal
Liver		Angiectasis	Moderate
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 3-6+6.1			
Note: [ANGIECTASIS] TGLs = 6-6.1			
Note: [HDN] TGLs = 4-6.1			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 2-8			
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 5-8			
Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
[Fibrosis TGLS = 1-3.1]			
Thyroid Gland	C Cell	Hyperplasia	Moderate
Uterus		Polyp Stromal	Two

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 459

TRT#: 8

SEX: Female

DAY ON TEST: 741

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 881008

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Clitoral Gland		Cyst	
Note: [CYST] TGLs = 1-10			
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Minimal
Liver		Adenoma	
		Basophilic Focus	
Note: [BASOPH FOCUS] TGLs = 5-6.1+6		Granuloma	Mild
Note: [ADENOMA] TGLs = 4-6			
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Mild
Pharynx			
Note: NO LESION SEEN IN PALATE IN SLIDE OR RECUT TGL 3			
Pituitary Gland	Pars Distalis	Adenoma	
Uterus		Polyp Stromal	
Note: [POLYP STROMAL] TGLs = 2-7			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 460

TRT#: 8

SEX: Female

DAY ON TEST: 741

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 881009

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Pituitary Gland
Stomach - Glandular
Urinary Bladder

Bone
Esophagus
Intestine Small - Duodenum
Lung
Ovary
Salivary Glands
Thymus
Uterus

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Pancreas
Skin
Thyroid Gland

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Parathyroid Gland
Stomach - Forestomach
Trachea

OBSERVATIONS

Adrenal Gland
Blood
Heart
Kidney
Liver

Cortex

Cytoplasmic Alteration
Leukemia Mononuclear
Cardiomyopathy
Nephropathy
Basophilic Focus
Hyperplasia
Leukemia Mononuclear

Focal, Moderate

Mild

Mild

Hepatocyte

Focal, Mild

Note: [BASOPH FOCUS] TGLs = 1-6+6.1

Nose
Spleen

Inflammation
Leukemia Mononuclear

Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:50

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 461

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 2500 PPM

DISP: Moribund

HISTO: 881012

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Intestine Large - Colon
Intestine Small - Jejunum
Ovary
Skin
Urinary Bladder

Clitoral Gland
Intestine Large - Rectum
Islets, Pancreatic
Pancreas
Stomach - Glandular

Esophagus
Intestine Small - Duodenum
Lymph Node - Mesenteric
Parathyroid Gland
Thymus

Intestine Large - Cecum
Intestine Small - Ileum
Mammary Gland
Salivary Glands
Trachea

OBSERVATIONS

Adrenal Gland
Bone
Bone Marrow
Brain
Heart
Kidney
Note: [NEPHROPATHY] TGLs = 3-4
Liver

Cortex

Cytoplasmic Alteration
Hyperostosis
Hyperplasia
Compression
Cardiomyopathy
Nephropathy

Focal, Marked
Moderate
Moderate
Moderate
Mild
Marked

Basophilic Focus
Fatty Change
Leukemia Mononuclear

Marked

Note: [FATTY CHANGE] TGLs = 8-6
Note: [BASOPH FOCUS] TGLs = 4-6.1
Note: [LEUKEMIA MONUC] TGLs = 5-6

Lung
Lymph Node

Mandibular
Pancreatic

Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear

Note: [LEUKEMIA MONUC] TGLs = 2-9

Nose
Pituitary Gland

Pars Distalis

Inflammation
Adenoma

Chronic, Mild

Note: [ADENOMA] TGLs = 6-8

Spleen
Note: [LEUKEMIA MONUC] TGLs = 1-3.1

Leukemia Mononuclear

Stomach

Forestomach

Acanthosis

Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:50

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 461

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 2500 PPM

DISP: Moribund

HISTO: 881012

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland

C Cell

Hyperplasia

Moderate

Uterus

Endometrium

Cyst

Note: [CYST] TGLs = 7-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:50

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 462

TRT#: 8

SEX: Female

DAY ON TEST: 456

DOSE: 2500 PPM

DISP: Interval Sacrifice

HISTO: 871007

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Mammary Gland
Salivary Glands
Trachea

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Ovary
Skin
Urinary Bladder

Bone
Heart
Intestine Small - Duodenum
Lung
Pancreas
Stomach - Forestomach

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Parathyroid Gland
Thymus

OBSERVATIONS

Clitoral Gland
Note: INFLAMMATION TGLs = 1-10
Kidney
Liver
Lymph Node

Nose
Pituitary Gland
Spleen
Stomach
Thyroid Gland
Uterus
Note: POLYP STROMAL TGLs = 2-6

Perivascular
Mediastinal
Mesenteric
Mediastinal

Pars Distalis

Glandular
C Cell

Inflammation

Nephropathy
Inflammation
Congestion
Congestion
Pigmentation
Inflammation
Cyst
Pigmentation
Inflammation
Hyperplasia
Polyp Stromal

Chronic, Focal, Minimal

Minimal
Chronic, Minimal
Mild
Mild
Mild
Chronic, Focal, Minimal

Hemosiderin, Mild
Chronic, Focal, Mild
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 463	TRT#: 8	SEX: Female	DAY ON TEST: 741
	DOSE: 2500 PPM	DISP: Terminal Sacrifice	HISTO: 881011

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	Brain	Clitoral Gland	Esophagus
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Intestine Large	Cecum	Parasite Metazoan	Moderate
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Granuloma	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 2-8			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:50

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 464

TRT#: 8

SEX: Female

DAY ON TEST: 510

DOSE: 2500 PPM

DISP: Moribund

HISTO: 881014

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Clitoral Gland
Esophagus	Heart	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	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Bone		Hyperostosis	Mild
Bone Marrow		Hyperplasia	Mild
Intestine Large	Cecum	Edema	Marked
Note: [EDEMA] TGLs = 2-5			
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
Lymph Node	Mediastinal	Congestion	Marked
Note: [CONGESTION] TGLs = 3-3			
Nose		Inflammation	Chronic, Mild
Ovary		Congestion	Moderate
Note: [CONGESTION] TGLs = 4-7			
Pituitary Gland	Pars Distalis	Cyst	
Note: [CYST] TGLs = 5-8			
Uterus	Endometrium	Necrosis	Moderate
Note: [PROLAPSE] TGLs = 1-7		Prolapse	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 465

TRT#: 8

SEX: Female

DAY ON TEST: 647

DOSE: 2500 PPM

DISP: Moribund

HISTO: 881013

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Clitoral Gland
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Marked
Bone		Hyperostosis	Marked
Islets, Pancreatic		Ectopic Tissue	
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Fatty Change	Moderate
		Inflammation	Acute, Focal, Moderate
Note: [BASOPH FOCUS] TGLs = 1-6			
Lymph Node	Mediastinal	Congestion	Mild
Note: [CONGESTION] TGLs = 2-3			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 3-8			
Stomach	Forestomach	Bulla	Moderate
	Forestomach	Ulcer	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 466

TRT#: 8

SEX: Female

DAY ON TEST: 741

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 881015

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	Clitoral Gland	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Ovary
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

MISSING

Parathyroid Gland

OBSERVATIONS

Brain		Compression	Moderate
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Granuloma	Mild
Note: [BASOPH FOCUS] TGLs = 3-6.1			
Nose		Inflammation	Chronic, Moderate
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 2-8			
Thyroid Gland	C Cell	Adenoma	
Note: [ADENOMA] TGLs = 1-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 467

TRT#: 8

SEX: Female

DAY ON TEST: 617

DOSE: 2500 PPM

DISP: Moribund

HISTO: 881017

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Clitoral Gland	Esophagus	Heart	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Mammary Gland	Ovary
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Brain		Compression	Marked
Intestine Large	Cecum, Muscularis	Hypertrophy	Mild
Note: [HYPERTROPHY] TGLs = 7-5			
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Fatty Change	Mild
		Granuloma	Marked
Note: [BASOPH FOCUS] TGLs = 6-6.1			
Note: SMALL LIVER MAY BE SECONDARY TO PITUITARY TUMOR TGL 2			
Lung		Congestion	Minimal
Note: [CONGESTION] TGLs = 3-2+3			
Lymph Node	Lymphatic, Mesenteric	Angiectasis	Moderate
Note: [ANGIECTASIS] TGLs = 1-8			
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 4-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 468	TRT#: 8	SEX: Female	DAY ON TEST: 741
	DOSE: 2500 PPM	DISP: Terminal Sacrifice	HISTO: 881016

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Intestine Large - Cecum	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mesenteric	Mammary Gland	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Clitoral Gland	Intestine Large - Colon	Thymus
----------------	-------------------------	--------

OBSERVATIONS

Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
Note: [CLEAR CL FOCUS] TGLs = 1-6.1			
Lymph Node	Mandibular	Leukemia Mononuclear	
Nose		Inflammation	Chronic, Mild
Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 469	TRT#: 8	SEX: Female	DAY ON TEST: 741
	DOSE: 2500 PPM	DISP: Terminal Sacrifice	HISTO: 881018

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	Brain	Clitoral Gland	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Kidney		Nephropathy	Moderate
Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
Note: [BASOPH FOCUS] TGLs = 3-6.1			
Note: [HDN] TGLs = 2-6.1			
Nose		Inflammation	Chronic, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 1-8			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 470

TRT#: 8

SEX: Female

DAY ON TEST: 458

DOSE: 2500 PPM

DISP: Interval Sacrifice

HISTO: 871008

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Heart
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lung
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Mammary Gland

OBSERVATIONS

Intestine Large	Cecum	Parasite Metazoan	Mild
Liver	Bile Duct	Hyperplasia	Minimal
Lymph Node	Mandibular	Congestion	Mild
Note: CONGESTION TGLs = 2-9			
Spleen		Pigmentation	Hemosiderin, Mild
Stomach	Glandular	Inflammation	Chronic, Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 471

TRT#: 8

SEX: Female

DAY ON TEST: 621

DOSE: 2500 PPM

DISP: Dead

HISTO: 881021

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Ovary	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Trachea

MISSING

Parathyroid Gland

AUTO PRECLUDES DIAG.

Urinary Bladder

OBSERVATIONS

Heart		Cardiomyopathy	Moderate
Intestine Small	Ileum	Autolysis	Marked
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
Lymph Node	Mediastinal	Congestion	Moderate
Note: [CONGESTION] TGLs = 3-3			
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	Two
Note: [ADENOMA] TGLs = 4+5-8			
Thymus		Lymphoma Malignant Lymphocytic	
Note: [LYMPH MAL LYMP] TGLs = 2-3			
Thyroid Gland		Lymphoma Malignant Lymphocytic	
Uterus		Polyp Stromal	
Note: [POLYP STROMAL] TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:50

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 472

TRT#: 8

SEX: Female

DAY ON TEST: 742

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 881019

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Salivary Glands
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Small - Duodenum
Lung
Pancreas
Skin
Thymus
Uterus

Blood
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Parathyroid Gland
Spleen
Thyroid Gland

Bone
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Pituitary Gland
Stomach - Forestomach
Trachea

OBSERVATIONS

Bone Marrow
Clitoral Gland
Note: [CARCINOMA] TGLs = 1-10

Heart
Kidney
Liver

Hyperplasia
Carcinoma

Cardiomyopathy
Nephropathy
Basophilic Focus
Granuloma

Moderate

Mild
Minimal
Moderate

Note: [BASOPH FOCUS] TGLs = 3-6+6.1
Nose
Ovary

Inflammation
Cyst

Chronic, Mild

Note: [CYST] TGLs = 2-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:50

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 473

TRT#: 8

SEX: Female

DAY ON TEST: 458

DOSE: 2500 PPM

DISP: Interval Sacrifice

HISTO: 871009

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Mammary Gland
Parathyroid Gland
Stomach - Glandular
Uterus

Bone
Eye
Intestine Large - Rectum
Islets, Pancreatic
Nose
Salivary Glands
Thyroid Gland

Bone Marrow
Heart
Intestine Small - Duodenum
Kidney
Ovary
Skin
Trachea

Clitoral Gland
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Pancreas
Stomach - Forestomach
Urinary Bladder

MISSING

Thymus

INSUFFICIENT TISSUE

Adrenal Gland - Medulla

OBSERVATIONS

Brain
Note: GLIOMA MAL TGLs = 6-5

Glioma Malignant

Liver
Lymph Node
Perivascular
Lymphatic, Mesenteric
Mandibular

Inflammation
Angiectasis
Congestion

Chronic, Minimal
Minimal
Mild

Note: ANGIECTASIS TGLs = 2-8
Note: MEDIASTINAL LN ARE MISSING

Pituitary Gland
Note: ADENOMA TGLs = 5-8
Pars Distalis

Adenoma

Spleen
Pigmentation
Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 474

TRT#: 8

SEX: Female

DAY ON TEST: 742

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 881020

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	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	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Granuloma	Mild
Note: [BASOPH FOCUS] TGLs = 2-6			
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: [FIBROADENOMA] TGLs = 1-13			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 3-8			
Uterus			
Note: NO UTERINE NODULE SEEN IN ORIGINAL SLIDE OR RECUT TGL 4			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 475

TRT#: 8

SEX: Female

DAY ON TEST: 493

DOSE: 2500 PPM

DISP: Moribund

HISTO: 881022

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Mammary Gland
Ovary	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Salivary Glands	Skin	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Blood		Leukemia Mononuclear	
Brain		Hemorrhage	Focal, Mild
[Hemorrhage TGLS = 9-1]			
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 7-6			
Lung		Leukemia Mononuclear	
Lymph Node	Mesenteric	Leukemia Mononuclear	
	Mediastinal	Pigmentation	Hemosiderin, Moderate
Note: PANCREATIC LYMPH NODES NOT SUBMITTED TGL 2			
Note: [PIGMENT] TGLs = 8-3			
Nose		Inflammation	Chronic, Mild
Spleen		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 3+4-3.1			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 476

TRT#: 8

SEX: Female

DAY ON TEST: 742

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 881023

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	Brain	Clitoral Gland	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Intestine Large	Colon	Parasite Metazoan	Mild
Islets, Pancreatic		Ectopic Tissue	
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Clear Cell Focus	
Note: [CLEAR CL FOCUS] TGLs = 5-6.1			
Note: [BASOPH FOCUS] TGLs = 3-6			
Mammary Gland		Fibroadenoma	Multiple
		Galactocele	
Note: [FIBROADENOMA] TGLs = 1+2-13+14			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Cyst	
Note: [CYST] TGLs = 4-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 477

TRT#: 8

SEX: Female

DAY ON TEST: 456

DOSE: 2500 PPM

DISP: Interval Sacrifice

HISTO: 871010

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Kidney
Lung	Lymph Node - Mesenteric	Mammary Gland	Ovary
Pancreas	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

INSUFFICIENT TISSUE

Parathyroid Gland

OBSERVATIONS

Liver	Perivascular	Inflammation	Chronic, Minimal
Lymph Node	Mandibular	Congestion	Minimal
Note: CONGESTION TGLs = 1-9			
Nose		Inflammation	Chronic, Focal, Mild
Spleen		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 478

TRT#: 8

SEX: Female

DAY ON TEST: 527

DOSE: 2500 PPM

DISP: Moribund

HISTO: 881026

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
Lymph Node	Mediastinal	Congestion	Moderate
Note: [CONGESTION] TGLs = 3-3			
Nose		Fungus	Marked
		Inflammation	Acute, Moderate
Pituitary Gland	Pars Distalis	Cyst	
Uterus		Abscess	Moderate
Note: [ABSCESS] TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:50

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 479

TRT#: 8

SEX: Female

DAY ON TEST: 650

DOSE: 2500 PPM

DISP: Moribund

HISTO: 881025

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone Marrow
Brain	Clitoral Gland	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lung	Lymph Node - Mesenteric	Mammary Gland	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Bone		Hyperostosis	Moderate
Liver		Fatty Change	Minimal
		Granuloma	Moderate
Note: [FATTY CHANGE] TGLs = 3-6			
Lymph Node	Lymphatic, Mandibular	Angiectasis	Moderate
Note: [ANGIECTASIS] TGLs = 4-9			
Nose		Inflammation	Chronic, Mild
Skin		Lipoma	
		Squamous Cell Carcinoma	
Note: [LIPOMA] TGLs = 2-10			
Note: [SQUAM CEL CARC] TGLs = 1-13+13.1			
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 480

TRT#: 8

SEX: Female

DAY ON TEST: 707

DOSE: 2500 PPM

DISP: Moribund

HISTO: 881024

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood	Bone	Brain
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Esophagus

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Moderate
	Cortex	Hematopoietic Cell Proliferation	Mild
Bone Marrow		Hyperplasia	Marked
Clitoral Gl			
Note: CLITORAL GLANDS NOT SEEN TGL 3			
Islets, Pancreatic		Adenoma	
Note: [ADENOMA] TGLs = 5-9			
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Fatty Change	Mild
		Hematopoietic Cell Proliferation	Minimal
Note: [FATTY CHANGE] TGLs = 6-6			
Mammary Gland		Fibroadenoma	
		Sarcoma	
Note: [SARCOMA] TGLs = 2-14+14.1			
Note: [FIBROADENOMA] TGLs = 1-13+13.1			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Cyst	
Spleen		Hematopoietic Cell Proliferation	Marked
Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:50

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 480

TRT#: 8

SEX: Female

DAY ON TEST: 707

DOSE: 2500 PPM

DISP: Moribund

HISTO: 881024

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [POLYP STROMAL] TGLs = 4-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 481

TRT#: 8

SEX: Female

DAY ON TEST: 741

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 881030

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	Brain	Esophagus	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Clitoral Gland		Adenoma	
Note: [ADENOMA] TGLs = 2-10			
Heart		Cardiomyopathy	Mild
Intestine Large	Cecum	Infiltration Cellular	Lymphocyte, Moderate
	Colon	Parasite Metazoan	Mild
Note: [INFILTRAT CELL] TGLs = 5-5			
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Clear Cell Focus	
Note: [CLEAR CL FOCUS] TGLs = 4-6.1			
Mammary Gland		Fibroadenoma	
Note: [FIBROADENOMA] TGLs = 1-13			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Thyroid Gland	C Cell	Adenoma	
Uterus		Cyst	
		Polyp Stromal	
Note: [CYST] TGLs = 3-7			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 482

TRT#: 8

SEX: Female

DAY ON TEST: 644

DOSE: 2500 PPM

DISP: Moribund

HISTO: 881031

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Clitoral Gland	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Bone Marrow		Hyperplasia	Moderate
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Fatty Change	Mild
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Hemorrhage	Focal, Moderate
[Hemorrhage TGLS = 2-3]			
Zymbal's Gland		Carcinoma	
Note: [CARCINOMA] TGLs = 1-13+13.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 483

TRT#: 8

SEX: Female

DAY ON TEST: 738

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 881029

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Clitoral Gland
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Bone		Hyperostosis	Mild
Brain		Compression	Mild
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Carcinoma	

Note: [CARCINOMA] TGLs = 1-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 484

TRT#: 8

SEX: Female

DAY ON TEST: 742

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 881028

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	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	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

Brain		Carcinoma	Metastatic (Uncertain Primary Site)
		Compression	Moderate
Islets, Pancreatic		Hyperplasia	Marked
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
Note: [BASOPH FOCUS] TGLs = 4-6+6.1			
Lung	Alveolar Epith	Metaplasia	Moderate
Mammary Gland		Fibroadenoma	Multiple
		Galactocele	
Note: [FIBROADENOMA] TGLs = 1-13,2-14			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Carcinoma	
Note: [CARCINOMA] TGLs = 3-8			
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:50

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 485

TRT#: 8

SEX: Female

DAY ON TEST: 742

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 881027

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Islets, Pancreatic
Mammary Gland
Skin
Thymus

Adrenal Gland - Medulla
Clitoral Gland
Intestine Small - Duodenum
Lung
Pancreas
Spleen
Trachea

Blood
Esophagus
Intestine Small - Ileum
Lymph Node - Mandibular
Parathyroid Gland
Stomach - Forestomach
Urinary Bladder

Bone Marrow
Intestine Large - Cecum
Intestine Small - Jejunum
Lymph Node - Mesenteric
Salivary Glands
Stomach - Glandular
Uterus

OBSERVATIONS

Bone
Heart
Intestine Large
Kidney
Liver

Rectum

Hyperostosis
Cardiomyopathy
Parasite Metazoan
Nephropathy
Basophilic Focus
Granuloma

Moderate
Minimal
Marked
Mild
Mild

Note: [BASOPH FOCUS] TGLs = 3-6+6.1

Nose
Ovary

Inflammation
Cyst

Chronic, Marked

Note: [CYST] TGLs = 1-7

Pituitary Gland
Thyroid Gland

Pars Distalis
C Cell

Hyperplasia
Hyperplasia

Focal, Marked
Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:50

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 486

TRT#: 8

SEX: Female

DAY ON TEST: 741

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 881036

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	Brain	Clitoral Gland	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Kidney		Nephropathy	Moderate
Liver		Clear Cell Focus	
Note: [CLEAR CL FOCUS] TGLs = 2-6.1			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Carcinoma	
Note: [CARCINOMA] TGLs = 1-8			
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:50

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 487

TRT#: 8

SEX: Female

DAY ON TEST: 741

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 881035

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Ovary
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

INSUFFICIENT TISSUE

Bone Marrow

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Moderate
Bone		Hyperostosis	Marked
Heart		Cardiomyopathy	Minimal
Intestine Large	Rectum	Parasite Metazoan	Marked
Kidney		Nephropathy	Moderate
Liver		Angiectasis	Mild
		Basophilic Focus	
		Clear Cell Focus	
Note: [ANGIECTASIS] TGLs = 1-6			
Nose		Inflammation	Chronic, Minimal
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 2-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 488

TRT#: 8

SEX: Female

DAY ON TEST: 741

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 881034

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Lymph Node - Mandibular
Mammary Gland	Ovary	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Islets, Pancreatic

OBSERVATIONS

Adrenal Gland	Medulla	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 5-8			
Blood		Leukemia Mononuclear	
Bone Marrow		Hyperplasia	Marked
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Fatty Change	Mild
		Leukemia Mononuclear	
		Necrosis	Focal, Mild
Note: [LEUKEMIA MONUC] TGLs = 6-6			
Lung		Leukemia Mononuclear	
	Bronchus	Metaplasia	Squamous, Marked
[Metaplasia TGLS = 7-2]			
Lymph Node	Mesenteric	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 2-8.1			
Note: NO PANCREATIC LYMPHNODE SUBMITTED TGL 4			
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Marked
		Leukemia Mononuclear	
		Necrosis	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 488

TRT#: 8

SEX: Female

DAY ON TEST: 741

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 881034

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC]	TGLs = 3-3.1		
Stomach	Forestomach	Edema	Marked
Thymus		Leukemia Mononuclear	
Uterus		Polyp Stromal	
Note: [POLYP STROMAL]	TGLs = 1-7		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 489

TRT#: 8

SEX: Female

DAY ON TEST: 563

DOSE: 2500 PPM

DISP: Moribund

HISTO: 881032

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Clitoral Gland
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Skin
Thymus
Uterus

Adrenal Gland - Medulla
Esophagus
Intestine Small - Duodenum
Lung
Ovary
Spleen
Thyroid Gland

Bone
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Parathyroid Gland
Stomach - Forestomach
Trachea

Bone Marrow
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Salivary Glands
Stomach - Glandular
Urinary Bladder

OBSERVATIONS

Brain
Heart
Kidney
Liver

Compression
Cardiomyopathy
Nephropathy
Basophilic Focus
Granuloma

Marked
Mild
Moderate
Mild

Note: [BASOPH FOCUS] TGLs = 3+4-6

Nose

Inflammation
Atrophy
Adenoma

Chronic, Mild
Mild

Pancreas

Acinus

Pituitary Gland

Pars Distalis

Note: [ADENOMA] TGLs = 1-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:50

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 490

TRT#: 8

SEX: Female

DAY ON TEST: 669

DOSE: 2500 PPM

DISP: Moribund

HISTO: 881033

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Bone Marrow
Intestine Large - Colon
Intestine Small - Jejunum
Ovary
Skin
Thymus

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Rectum
Islets, Pancreatic
Parathyroid Gland
Spleen
Trachea

Blood
Esophagus
Intestine Small - Duodenum
Lymph Node - Mandibular
Salivary Glands
Stomach - Forestomach
Urinary Bladder

Bone
Intestine Large - Cecum
Intestine Small - Ileum
Mammary Gland
Skeletal Muscle
Stomach - Glandular
Uterus

OBSERVATIONS

Brain

Heart
Kidney
Liver
Lung
 Note: [CONGESTION] TGLs = 4-2+3
Lymph Node

 Note: [CONGESTION] TGLs = 1-8
 Note: [CONGESTION] TGLs = 3-3
Nose
Pancreas
Pituitary Gland
 Note: [CARCINOMA] TGLs = 5-8
Thyroid Gland

Mediastinal
Mesenteric

Acinus
Pars Distalis

Carcinoma
Compression
Cardiomyopathy
Nephropathy
Basophilic Focus
Congestion

Congestion
Congestion

Inflammation
Atrophy
Carcinoma

Ultimobranchial Cyst

Metastatic (Uncertain Primary Site)
Moderate
Mild
Moderate

Mild

Marked
Moderate

Chronic, Mild
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 491

TRT#: 8

SEX: Female

DAY ON TEST: 456

DOSE: 2500 PPM

DISP: Interval Sacrifice

HISTO: 871011

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Ovary	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Clitoral Gland		Cyst	
Note: CYST	TGLs = 1-10		
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver		Hepatodiaphragmatic Nodule	
Note: HDN	TGLs = 2-3	Bile Duct	Hyperplasia
			Minimal
Lymph Node		Mediastinal	Pigmentation
Nose			Mild
Pancreas		Acinus	Inflammation
Pituitary Gland		Pars Distalis	Chronic, Focal, Mild
Spleen			Focal, Marked
Thyroid Gland		C Cell	Cyst
			Pigmentation
			Hemosiderin, Moderate
			Hyperplasia
			Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 492	TRT#: 8	SEX: Female	DAY ON TEST: 741
	DOSE: 2500 PPM	DISP: Terminal Sacrifice	HISTO: 881038

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	Brain	Clitoral Gland	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	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Clear Cell Focus	
Note: [BASOPH FOCUS] TGLs = 2-6			
Lung	Alveolar Epith	Metaplasia	Moderate
[Metaplasia TGLS = 1-2]			
Nose		Inflammation	Chronic, Mild
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 493

TRT#: 8

SEX: Female

DAY ON TEST: 456

DOSE: 2500 PPM

DISP: Interval Sacrifice

HISTO: 871012

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Salivary Glands
Thymus
Uterus

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Skin
Thyroid Gland

Bone
Esophagus
Intestine Small - Duodenum
Kidney
Pancreas
Stomach - Forestomach
Trachea

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Parathyroid Gland
Stomach - Glandular
Urinary Bladder

OBSERVATIONS

Heart
Liver
Lymph Node

Note: CONGESTION TGLs = 4-9
Nose
Ovary
Note: CYST TGLs = 1-6
Pituitary Gland
Note: ADENOMA TGLs = 3-8
Spleen

Perivascular
Mandibular
Mediastinal

Pars Distalis

Cardiomyopathy
Inflammation
Congestion
Pigmentation

Inflammation
Cyst

Adenoma

Pigmentation

Mild
Chronic, Minimal
Mild
Moderate

Chronic, Focal, Mild

Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Barium chloride dihydrate
CAS Number: 10326-27-9

Date Report Requested: 10/16/2014
Time Report Requested: 00:12:50
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 494

TRT#: 8

SEX: Female

DAY ON TEST: 741

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 881037

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	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	Mammary Gland	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Bone	Hyperostosis	Marked
Heart	Cardiomyopathy	Moderate
Kidney	Mineralization	Minimal
	Nephropathy	Mild
Liver	Basophilic Focus	
	Clear Cell Focus	
	Granuloma	Minimal
Nose	Inflammation	Chronic, Moderate
Uterus	Polyp Stromal	Two

Note: [POLYP STROMAL] TGLs = 2+3-7

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05127-01

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Barium chloride dihydrate

CAS Number: 10326-27-9

Date Report Requested: 10/16/2014

Time Report Requested: 00:12:50

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 495

TRT#: 8

SEX: Female

DAY ON TEST: 741

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 881039

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	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	Ovary
Pancreas	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

MISSING

Parathyroid Gland

OBSERVATIONS

Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
Note: [BASOPH FOCUS] TGLs = 2+5-6.1+6.2			
Lung		Alveolar/Bronchiolar Carcinoma	
[Alveolar/Bronchiolar Carcinoma TGLS = 3-3.1]			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 4-8			
Thyroid Gland	C Cell	Adenoma	
Uterus		Dilatation	Marked
Note: [DILATATION] TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

** END OF REPORT **

* PROTOCOL REQUIRED TISSUE