

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

C Number:	C88122
Lock Date:	06/01/2000
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	06/13/2001

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CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1	TRT#: 1	SEX: Male	DAY ON TEST: 547
	DOSE: 0 MG/KG	DISP: Natural Death	HISTO: 9901291

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-9]			
* Heart	Myocardium	Degeneration	Moderate
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6+7]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3+4]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 1-13]			
* Nose		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:01

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 1

TRT#: 1

SEX: Male

DAY ON TEST: 547

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 9901291

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 2	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO: 9901292
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
		Pheochromocytoma Malignant	
[Pheochromocytoma Benign TGLS = 1-8]			
* Brain	Hypothalamus	Compression	Mild
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Minimal
* Lung		Pheochromocytoma Malignant	Metastatic (Adrenal Medulla)
* Mammary Gland	Duct	Dilatation	Mild
* Pancreas	Acinus	Atrophy	Mild
* Parathyroid Gland		Cyst	Multiple, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Preputial Gland		Inflammation	Chronic, Mild
* Seminal Vesicle		Hyperplasia	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:01

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 2

TRT#: 1

SEX: Male

DAY ON TEST: 728

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901292

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

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Animal Note: TGL 3 = No Corresponding Lesion (NCL)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:01

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 3

TRT#: 1

SEX: Male

DAY ON TEST: 505

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901293

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain	Hypothalamus	Compression	Moderate
		Hydrocephalus	Moderate
* Intestine Large, Rectum		Inflammation	Chronic, Mild
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Granulomatous, Minimal
* Mammary Gland	Duct	Dilatation	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-8]		
* Spleen	Lymph Follic	Atrophy	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 4	TRT#: 1	SEX: Male	DAY ON TEST: 727
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9901294

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-10]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 5	TRT#: 1	SEX: Male	DAY ON TEST: 728
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9901295

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Heart	Myocardium	Degeneration	Moderate
* Intestine Large, Colon		Parasite Metazoan	
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
[Basophilic Focus TGLS = 3-6+7]			
[Clear Cell Focus TGLS = 3-6+7]			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 4-12]			
* Mammary Gland	Duct	Dilatation	Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-8]			
* Preputial Gland		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Chronic Active, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 5	TRT#: 1	SEX: Male	DAY ON TEST: 728
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9901295

ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle		Hyperplasia	Moderate
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 6	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO: 9901296
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart	Myocardium	Degeneration	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Minimal
[Basophilic Focus TGLS = 3-6+7]			
[Clear Cell Focus TGLS = 3-6+7]			
* Lung	Alveolar Epith	Hyperplasia	Mild
* Mammary Gland		Adenoma	
[Adenoma TGLS = 4-13]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-8]			
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Hyperplasia	Mild
* Skin	Subcut Tiss	Lipoma	
[Lipoma TGLS = 1-12]			
* Spleen	Lymph Follic	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 6	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO: 9901296
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ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 2-10]	Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 7	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 9901297
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Minimal
* Seminal Vesicle		Atrophy	Moderate
		[Atrophy TGLS = 4-10]	
* Skin		Keratoacanthoma	
		[Keratoacanthoma TGLS = 1-12]	
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 7	TRT#: 1	SEX: Male	DAY ON TEST: 727
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9901297

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-10]

[Atrophy TGLS = 3-10]

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 8	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO: 9901298
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Minimal
[Basophilic Focus TGLS = 2-6]			
[Clear Cell Focus TGLS = 2-6]			
* Mammary Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen	Lymph Follic	Atrophy	Mild
		Hyperplasia	Lymphohistiocytosis, Mild
[Hyperplasia TGLS = 3-5]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 9	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 589 HISTO: 9901299
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Bone Marrow		Fibrosis	Minimal
		Leukemia Mononuclear	
* Heart	Myocardium	Degeneration	Moderate
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-6+7]	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Hemorrhage	Mild
		[Hemorrhage TGLS = 5-12]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 6-8]	
* Preputial Gland		Inflammation	Chronic, Minimal
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-13]	
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 9	TRT#: 1	SEX: Male	DAY ON TEST: 589
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 9901299

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-10]

* Thyroid Gland	Bilateral, C Cell	Adenoma
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PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 728

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901300

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart	Myocardium	Degeneration	Moderate
* Intestine Large, Rectum		Parasite Metazoan	
		Polyp Adenomatous	
		[Polyp Adenomatous TGLS = 4-12]	
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Minimal
		Leukemia Mononuclear	
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Mild
		Leukemia Mononuclear	
* Nose		Inflammation	Chronic, Minimal
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Hyperplasia	Mild
		[Hyperplasia TGLS = 1-11]	
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 10	TRT#: 1	SEX: Male	DAY ON TEST: 728
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9901300

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-5]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-10]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:01

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 640

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901301

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6+7]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
		Leukemia Mononuclear	
[Infiltration Cellular TGLS = 2-9]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland	Duct	Dilatation	Minimal
		Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-5]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-10]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:01

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 640

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901301

ORGAN AND ACCOUNTABLE SITE STATUS

Ureter

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 728

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901302

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Bone		Cyst	Minimal
* Heart	Myocardium	Degeneration	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
* Mammary Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Preputial Gland		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Chronic Active, Minimal
* Skin	Subcut Tiss	Fibroma	
		Keratoacanthoma	
[Fibroma TGLS = 2-13]			
[Keratoacanthoma TGLS = 1-12]			
* Spleen	Lymph Follic	Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 12	TRT#: 1	SEX: Male	DAY ON TEST: 728
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9901302

ORGAN AND ACCOUNTABLE SITE STATUS

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 661

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901303

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Glandular	* Trachea	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
		Leukemia Mononuclear	
* Bone	Femur	Hyperostosis	Moderate
* Bone Marrow		Fibrosis	Moderate
		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-6+7]	
* Lung		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 6-3+4]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 7-13]	
* Mammary Gland		Hyperplasia	Minimal
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic, Mild
* Skin	Subcut Tiss	Fibrosarcoma	
		[Fibrosarcoma TGLS = 5-14]	
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-12]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 13	TRT#: 1	SEX: Male	DAY ON TEST: 661
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 9901303

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder		Leukemia Mononuclear	

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

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 526

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901304

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Brain	Hypothalamus	Compression	Mild
		Hydrocephalus	Moderate
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
* Mammary Gland	Duct	Dilatation	Minimal
		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Preputial Gland		Inflammation	Chronic, Minimal
* Spleen	Lymph Follic	Atrophy	Minimal
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:01

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 724

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901305

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart	Myocardium	Degeneration	Minimal
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 6-7]	
* Kidney		Infarct	Moderate
		Leukemia Mononuclear	
		Nephropathy	Minimal
		[Infarct TGLS = 5-5]	
* Liver	Bile Duct	Eosinophilic Focus	
		Hyperplasia	Marked
		Leukemia Mononuclear	
		[Eosinophilic Focus TGLS = 4-12]	
		[Leukemia Mononuclear TGLS = 3-6+7, 4-12]	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 7-6]	
* Mammary Gland	Duct	Dilatation	Minimal
		Hyperplasia	Minimal
* Nose		Inflammation	Chronic, Minimal
* Pancreas	Acinus	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 15	TRT#: 1	SEX: Male	DAY ON TEST: 724
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 9901305

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Inflammation	Chronic, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-5]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:01

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 721

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 9901306

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 2-11]			
* Heart	Atrium	Thrombosis	Moderate
[Thrombosis TGLS = 7-7]			
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
[Hyperplasia TGLS = 5-6+7]			
Lymph Node	Mediastinal	Hemorrhage	Minimal
[Hemorrhage TGLS = 6-12]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Minimal
Mesentery		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 4-12]			
* Nose		Inflammation	Chronic, Minimal
* Preputial Gland		Inflammation	Chronic, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Ulcer	Mild
* Stomach, Glandular		Ulcer	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 16	TRT#: 1	SEX: Male	DAY ON TEST: 721
	DOSE: 0 MG/KG	DISP: Natural Death	HISTO: 9901306

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	- Mesentery Mesothelioma Malignant		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 630

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901307

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung		Carcinoma	Metastatic (Thyroid Gland)
Lymph Node	Deep Cervical	Carcinoma	Metastatic (Thyroid Gland)
	Mediastinal	Carcinoma	Metastatic (Thyroid Gland)
		[Carcinoma TGLS = 3-13]	
		[Carcinoma TGLS = 2-12]	
* Mammary Gland		Hyperplasia	Minimal
* Pituitary Gland		Cyst	Minimal
* Preputial Gland		Inflammation	Chronic, Minimal
* Spleen	Lymph Follic	Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	Bilateral, C Cell	Carcinoma	
		[Carcinoma TGLS = 1-8]	

PRIMARY CAUSE OF DEATH

- Thyroid Gland Bilateral C Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 685

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 9901308

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Skin
* Thymus	* Thyroid Gland	* Trachea	

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Rectum

OBSERVATIONS

Blood Vessel	Aorta	Mineralization	Moderate
* Heart	Myocardium	Degeneration	Mild
* Kidney		Hydronephrosis	Moderate
	Vein	Inflammation	Chronic, Moderate
	Renal Tubule	Necrosis	Focal, Moderate
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	[Hepatodiaphragmatic Nodule TGLS = 3-6]		
* Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	[Alveolar/Bronchiolar Carcinoma TGLS = 4,5-12]		
* Mammary Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Inflammation	Acute, Marked
	[Inflammation TGLS = 2-11]		
* Seminal Vesicle		Hyperplasia	Moderate
* Spleen	Lymph Follic	Atrophy	Mild
* Stomach, Forestomach		Mineralization	Moderate
* Stomach, Glandular		Mineralization	Moderate
* Testes	Germinal Epith	Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 18	TRT#: 1	SEX: Male	DAY ON TEST: 685
	DOSE: 0 MG/KG	DISP: Natural Death	HISTO: 9901308

ORGAN AND ACCOUNTABLE SITE STATUS

[Atrophy TGLS = 1-10]			
* Urinary Bladder		Mineralization Ulcer	Moderate Marked

PRIMARY CAUSE OF DEATH	- Lung	Alveolar/Bronchiolar Carcinoma
CONTRIBUTORY CAUSE OF DEATH	- Kidney	Hydronephrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 519

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901309

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Brain	Hypothalamus	Compression	Marked
		Hydrocephalus	Marked
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
* Mammary Gland		Fibroadenoma	
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-8]		
* Preputial Gland		Inflammation	Suppurative, Mild
* Spleen	Lymph Follic	Atrophy	Mild
* Testes	Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-10]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:01

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 724

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901310

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6+7]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-3+4]		
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-3+12]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-6]		
* Mammary Gland	Duct	Dilatation	Minimal
* Pituitary Gland		Cyst	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-12]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 3-10]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 728

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901311

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-13]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Inflammation	Chronic, Minimal
* Skin	Subcut Tiss	Fibrosarcoma	
[Fibrosarcoma TGLS = 1-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLS = 5-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:01

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 728

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901311

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 4 = No Corresponding Lesion (NCL)

Animal Note: TGL 6 = No Corresponding Lesion (NCL)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 22	TRT#: 1	SEX: Male	DAY ON TEST: 728
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9901312

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart	Myocardium	Degeneration	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-12]			
* Nose		Foreign Body	
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 23

TRT#: 1

SEX: Male

DAY ON TEST: 600

DOSE: 0 MG/KG

DISP: Dosing Accident

HISTO: 9901313

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Esophagus [Hemorrhage TGLS = 2-12]	Periesoph Tiss	Hemorrhage	Moderate
* Heart	Myocardium	Degeneration	Moderate
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolus	Inflammation	Acute, Moderate
* Mammary Gland		Hyperplasia	Minimal
* Prostate		Inflammation	Chronic Active, Minimal
* Testes [Adenoma TGLS = 1-10]	Bilateral, Interstit Cell	Adenoma	
* Trachea		Inflammation	Chronic, Minimal
	Epithelium	Metaplasia	Squamous, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 727

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901314

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen	Lymph Follic	Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 727

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901315

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
* Lung		Alveolar/Bronchiolar Carcinoma	
		[Alveolar/Bronchiolar Carcinoma TGLS = 2-12]	
* Mammary Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 3-8]	
* Preputial Gland		Inflammation	Chronic, Minimal
* Spleen	Lymph Follic	Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 1-10]	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901316

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear Necrosis	Acute, Marked
* Bone Marrow		Leukemia Mononuclear	
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6+7]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-3+4]		
* Nose		Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Adenoma	
	[Adenoma TGLS = 1-11]		
* Skin	Epidermis	Cyst	Squamous, Mild
	[Cyst TGLS = 1-11]		
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:01

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901316

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3-5]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-10]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:01

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 699

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 9901317

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	Coagulating 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 3-11]			
* Heart	Myocardium	Degeneration	Mild
* Liver	Centrilobular	Necrosis	Mild
* Mammary Gland		Hyperplasia	Minimal
Mesentery		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 4-12]			
* Nose		Inflammation	Chronic, Mild
		Ulcer	Mild
* Preputial Gland		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen	Lymph Follic	Necrosis	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

- Mesentery Mesothelioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 728

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901318

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Brain		Hydrocephalus	Mild
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6+7]		
* Lung		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Intermed	Adenoma	
	[Adenoma TGLS = 4,5-8]		
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-5]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-10]		
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 707

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 9901319

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Rectum

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
* Bone	Vertebra	Chordoma	
		Cyst	Minimal
		[Chordoma TGLS = 4-13+14]	
* Epididymis		Granuloma Sperm	Moderate
* Kidney	Renal Tubule	Hydronephrosis	Moderate
		Necrosis	Focal, Mild
		Nephropathy	Minimal
		[Hydronephrosis TGLS = 7-5]	
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Minimal
		Necrosis	Focal, Mild
		[Necrosis TGLS = 2-15]	
* Lung		Chordoma	Metastatic (Bone)
		[Chordoma TGLS = 5,6-3+4+12]	
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 29	TRT#: 1	SEX: Male	DAY ON TEST: 707
	DOSE: 0 MG/KG	DISP: Natural Death	HISTO: 9901319

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular		Mineralization	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Inflammation	Acute, Mild
		Ulcer	Mild
[Inflammation TGLS = 2-15]			
[Ulcer TGLS = 3-16]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:01

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 724

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901320

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart	Atrium	Thrombosis	Moderate
[Thrombosis TGLS = 7-7]			
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Infarct	Minimal
		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Artery	Thrombosis	Minimal
	Centrilobular	Degeneration	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6+7]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-12]			
[Leukemia Mononuclear TGLS = 5-13]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 30	TRT#: 1	SEX: Male	DAY ON TEST: 724
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 9901320

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Inflammation	Chronic, Mild
* Spleen	Capsule	Fibrosis	Focal, Minimal
		Leukemia Mononuclear	
	[Fibrosis TGLS = 3-14]		
	[Leukemia Mononuclear TGLS = 2-5]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-10]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:01

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 686

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 9901321

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* 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, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Brain		Hydrocephalus	Minimal
* Heart	Myocardium	Degeneration	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Minimal
* Mammary Gland	Duct	Dilatation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-8]		
* Prostate		Inflammation	Chronic Active, Mild
* Salivary Glands		Schwannoma Malignant	
	[Schwannoma Malignant TGLS = 1-12]		
* Spleen	Lymph Follic	Atrophy	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Salivary Glands Schwannoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 728

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901322

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Hydrocephalus	Minimal
* Heart	Myocardium	Degeneration	Mild
		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 4-8]		
* Preputial Gland		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-5]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-10]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:01

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 728

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901322

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 33	TRT#: 1	SEX: Male	DAY ON TEST: 111
	DOSE: 0 MG/KG	DISP: Dosing Accident	HISTO: 9901323

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Liver	Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 1-12]		
* Lung	Hemorrhage	Moderate
[Hemorrhage TGLS = 2-3+4]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901324

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Minimal
* Mammary Gland		Hyperplasia	Minimal
* Preputial Gland		Inflammation	Chronic, Minimal
* Skin		Basal Cell Adenoma	
[Basal Cell Adenoma TGLS = 1-12]			
* Spleen	Lymph Follic	Atrophy	Minimal
* Stomach, Glandular	Epithelium	Hyperplasia	Focal, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 35

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901325

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-12]			
* Nose		Inflammation	Chronic, Minimal
* Preputial Gland		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Chronic Active, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 36	TRT#: 1	SEX: Male	DAY ON TEST: 728
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 9901326

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart	Myocardium	Degeneration	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Minimal
* Mammary Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Chronic Active, Minimal
* Skin	Epidermis	Cyst	Marked
		Squamous Cell Papilloma	
		[Cyst TGLS = 2-13]	
		[Squamous Cell Papilloma TGLS = 1-12]	
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 4-10]	
* Thyroid Gland	Follicle	Carcinoma	
		[Carcinoma TGLS = 3-8]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:01

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 728

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901326

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:01

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901327

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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
* Nose	* Pancreas	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Heart	Myocardium	Degeneration	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Minimal
	[Hepatodiaphragmatic Nodule TGLS = 2-7]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-8]		
* Preputial Gland		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen	Lymph Follic	Atrophy	Mild
* Stomach, Glandular		Leiomyosarcoma	
	[Leiomyosarcoma TGLS = 4-12]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-10]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:01

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901327

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 503

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901328

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain	Hypothalamus	Compression Hydrocephalus	Moderate Moderate
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia Inflammation	Minimal Granulomatous, Minimal
	[Hepatodiaphragmatic Nodule TGLS = 3-6]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-13]		
Mesentery	Fat	Necrosis	Minimal
	[Necrosis TGLS = 2-12]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 4-8]		
* Preputial Gland		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Hyperplasia	Minimal
* Spleen	Lymph Follic	Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:01

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 503

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901328

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 475

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901329

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart	Myocardium	Degeneration	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Hyperplasia	Minimal
* Preputial Gland		Carcinoma	
	[Carcinoma TGLS = 1-12]		
* Spleen	Lymph Follic	Hyperplasia	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Preputial Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:01

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 573

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 9901330

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart	Myocardium	Degeneration	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6+7]		
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-16]		
	[Leukemia Mononuclear TGLS = 7-12]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-14]		
Mesentery	Fat	Necrosis	Moderate
	[Necrosis TGLS = 4-15]		
* Nose		Inflammation	Chronic, Minimal
* Preputial Gland		Inflammation	Chronic, Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-13]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 40	TRT#: 1	SEX: Male	DAY ON TEST: 573
	DOSE: 0 MG/KG	DISP: Natural Death	HISTO: 9901330

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 1-10]	Bilateral, Interstit Cell	Adenoma
* Thyroid Gland [Carcinoma TGLS = 6-8]	C Cell	Carcinoma

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 717

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901331

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart	Myocardium	Degeneration	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6+7]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-13]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-14]		
* Mammary Gland	Duct	Dilatation	Mild
		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-12]		
* Testes	Germinal Epith	Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 41	TRT#: 1	SEX: Male	DAY ON TEST: 717
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 9901331

ORGAN AND ACCOUNTABLE SITE STATUS

[Atrophy TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:01

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 727

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901332

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, 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		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Diffuse, Mild
* Heart	Myocardium	Degeneration	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Minimal
* Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 43	TRT#: 1	SEX: Male	DAY ON TEST: 640
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 9901333

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Adrenal Cortex [Hyperplasia TGLS = 2-8]		Hyperplasia	Diffuse, Moderate
* Adrenal Medulla [Hyperplasia TGLS = 2-8]		Hyperplasia	Diffuse, Mild
* Brain	Hypothalamus	Carcinoma Compression Hydrocephalus	Metastatic (Pituitary Gland) Moderate Mild
* Heart	Myocardium	Degeneration	Minimal
* Kidney [Nephropathy TGLS = 3-5]		Nephropathy	Moderate
* Liver	Bile Duct	Basophilic Focus Hyperplasia Inflammation	Minimal Granulomatous, Minimal
* Mammary Gland	Duct	Dilatation	Moderate
* Pituitary Gland [Carcinoma TGLS = 4-8]	Pars Distalis	Carcinoma	
* Spleen	Lymph Follic	Atrophy	Moderate
* Testes [Adenoma TGLS = 1-10]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 640

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901333

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:01

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901334

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
			[Basophilic Focus TGLS = 3-6+7]
			[Mixed Cell Focus TGLS = 3-6+7]
* Lung		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland		Inflammation	Chronic, Minimal
* Spleen		Leukemia Mononuclear	
			[Leukemia Mononuclear TGLS = 2-5]
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
			[Adenoma TGLS = 1-10]
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:01

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 727

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901335

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
Lymph Node	Deep Cervical	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 2-12]			
* Pancreas	Acinus	Atrophy	Moderate
* Preputial Gland		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen	Lymph Follic	Atrophy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 727

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901336

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Bone Marrow		Infiltration Cellular	Lymphocyte, Mild
		Infiltration Cellular	Histiocyte, Mild
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
* Mammary Gland	Duct	Dilatation	Minimal
* Nose		Inflammation	Chronic, Mild
		Ulcer	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Minimal
* Skin	Sebaceous GI	Adenoma	
[Adenoma TGLS = 1-12]			
* Spleen	Lymph Follic	Atrophy	Mild
		Hyperplasia	Lymphohistiocytosis, Mild
[Hyperplasia TGLS = 3-5]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 727

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901336

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-10]

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 728

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901337

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 2-7]			
[Clear Cell Focus TGLS = 2-7]			
[Mixed Cell Focus TGLS = 2-7]			
* Mammary Gland		Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Cyst	Minimal
* Salivary Glands	Parotid GI	Atrophy	Focal, Mild
	Sublingual GI	Hypertrophy	Focal, Minimal
* Spleen	Lymph Follic	Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Adenoma	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:01

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 728

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901337

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:01

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 727

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901338

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Minimal
	[Hepatodiaphragmatic Nodule TGLS = 2-12]		
* Lung		Hemorrhage	Mild
	Alveolar Epith	Hyperplasia	Focal, Minimal
	[Hemorrhage TGLS = 3-3+4]		
* Spleen	Lymph Follic	Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-10]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 727

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901339

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart	Myocardium	Degeneration	Moderate
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 4-12]			
* Mammary Gland	Duct	Dilatation	Minimal
		Fibroma	
[Fibroma TGLS = 2-12]		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen	Lymph Follic	Atrophy	Mild
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 1-10]			
[Hyperplasia TGLS = 1-10]			
* Thyroid Gland	C Cell	Adenoma	Multiple
	Follicle	Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 727

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901339

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLS = 3-8]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 50	TRT#: 1	SEX: Male	DAY ON TEST: 519
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 9901340

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
	[Leukemia Mononuclear TGLS = 3-6+7]	Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6]		
* Mammary Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-5]		
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
	[Adenoma TGLS = 1-10]		
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 51

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 14 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901341

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Heart	Myocardium	Degeneration	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Mixed Cell Focus	
[Hyperplasia TGLS = 3-6+7]			
[Mixed Cell Focus TGLS = 4-12]			
* Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
* Lymph Node, Mesenteric		Ectasia	Mild
[Ectasia TGLS = 5-6]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-12]			
* Preputial Gland		Inflammation	Chronic, Minimal
* Spleen	Lymph Follic	Atrophy	Moderate
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:01

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 51

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 14 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901341

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-10]

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 52

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 14 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901342

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Heart	Myocardium	Degeneration	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
* Pituitary Gland		Cyst	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
[Cyst TGLS = 2-8]			
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen	Lymph Follic	Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 53

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 14 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901343

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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
* Nose	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Brain		Hydrocephalus	Mild
* Heart	Myocardium	Degeneration	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
* Mammary Gland	Duct	Dilatation	Minimal
Mesentery		Schwannoma Malignant	
[Schwannoma Malignant TGLS = 2-12]			
* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen	Lymph Follic	Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	Follicle	Adenoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 54

TRT#: 3

SEX: Male

DAY ON TEST: 654

DOSE: 14 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901344

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Brain		Hydrocephalus	Mild
* Heart	Myocardium	Necrosis	Focal, Minimal
	Atrium	Thrombosis	Moderate
	[Thrombosis TGLS = 7-7]		
* Kidney		Glomerulosclerosis	Mild
	Renal Tubule	Necrosis	Focal, Minimal
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
	Centrilobular	Necrosis	Moderate
	[Necrosis TGLS = 3-6+7]		
Lymph Node	Pancreatic	Ectasia	Moderate
	[Ectasia TGLS = 5-12]		
* Lymph Node, Mesenteric		Ectasia	Moderate
		Hemorrhage	Mild
	Endothel Cell	Hyperplasia	Mild
	[Ectasia TGLS = 6-13]		
	[Hemorrhage TGLS = 6-13]		
* Mammary Gland	Duct	Dilatation	Mild
		Hyperplasia	Minimal
* Nose		Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 54	TRT#: 3 DOSE: 14 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 654 HISTO: 9901344
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland [Adenoma TGLS = 1-8]	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen	Lymph Follic	Atrophy	Mild
* Stomach, Forestomach		Inflammation	Acute, Minimal
* Stomach, Glandular		Ulcer	Moderate
* Testes [Adenoma TGLS = 2-10]	Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Carcinoma	

PRIMARY CAUSE OF DEATH - Heart Atrium Thrombosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 55

TRT#: 3

SEX: Male

DAY ON TEST: 478

DOSE: 14 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901345

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Moderate
* Brain	Hypothalamus	Compression	Marked
		Hydrocephalus	Moderate
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
* Mammary Gland	Duct	Dilatation	Minimal
		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Preputial Gland		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Chronic Active, Moderate
* Stomach, Forestomach		Ulcer	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 56

TRT#: 3

SEX: Male

DAY ON TEST: 645

DOSE: 14 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901346

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Focal, Minimal
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-6+7]		
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-13]		
	[Leukemia Mononuclear TGLS = 4-12]		
	[Leukemia Mononuclear TGLS = 3,6-15+16]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-14]		
* Mammary Gland		Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 56	TRT#: 3	SEX: Male	DAY ON TEST: 645
	DOSE: 14 MG/KG	DISP: Moribund Sacrifice	HISTO: 9901346

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-5]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 7-10]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 57

TRT#: 3

SEX: Male

DAY ON TEST: 719

DOSE: 14 MG/KG

DISP: Natural Death

HISTO: 9901347

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Rectum

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
* Mammary Gland	Duct	Dilatation	Moderate
		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Spleen	Lymph Follic	Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:01

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 58

TRT#: 3

SEX: Male

DAY ON TEST: 533

DOSE: 14 MG/KG

DISP: Natural Death

HISTO: 9901348

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart	Myocardium	Degeneration	Moderate
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-12]			
* Stomach, Glandular		Ulcer	Mild
* Testes	Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Hemorrhage	Moderate

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Urinary Bladder Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:01

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 58

TRT#: 3

SEX: Male

DAY ON TEST: 533

DOSE: 14 MG/KG

DISP: Natural Death

HISTO: 9901348

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 59

TRT#: 3

SEX: Male

DAY ON TEST: 728

DOSE: 14 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901349

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Mixed Cell Focus	
[Basophilic Focus TGLS = 3-6+7]			
[Hyperplasia TGLS = 2-6+7]			
[Mixed Cell Focus TGLS = 3,5-6+7+13]			
* Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 6-12]			
* Mammary Gland	Duct	Dilatation	Minimal
		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-8]			
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen	Lymph Follic	Atrophy	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:01

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 59

TRT#: 3

SEX: Male

DAY ON TEST: 728

DOSE: 14 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901349

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

Bilateral, C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 60

TRT#: 3

SEX: Male

DAY ON TEST: 717

DOSE: 14 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901350

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6+7]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6]		
* Mammary Gland	Duct	Dilatation	Minimal
		Hyperplasia	Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-12]		
* Testes	Germinal Epith	Atrophy	Marked
	[Atrophy TGLS = 1-10]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 61

TRT#: 3

SEX: Male

DAY ON TEST: 223

DOSE: 14 MG/KG

DISP: Dosing Accident

HISTO: 9901351

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Rectum

OBSERVATIONS

* Lung	Hemorrhage	Moderate
[Hemorrhage TGLS = 1-3+4]		
* Mammary Gland	Hyperplasia	Minimal
* Preputial Gland	Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 62

TRT#: 3

SEX: Male

DAY ON TEST: 574

DOSE: 14 MG/KG

DISP: Natural Death

HISTO: 9901352

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Necrosis	Focal, Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Fibrosis	Moderate
* Heart	Myocardium	Degeneration	Moderate
	Atrium	Thrombosis	Moderate
	[Thrombosis TGLS = 8-7]		
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Moderate
	Bile Duct	Hepatodiaphragmatic Nodule	
	[Degeneration TGLS = 4-6+7]	Hyperplasia	Mild
	[Hepatodiaphragmatic Nodule TGLS = 5-12]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Fibrosis	Moderate
		Necrosis	Lymphoid, Moderate
	[Fibrosis TGLS = 6-6]		
* Preputial Gland		Inflammation	Chronic, Minimal
* Seminal Vesicle		Fibrosis	Minimal
* Spleen	Lymph Follic	Atrophy	Moderate
		Fibrosis	Focal, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 62	TRT#: 3	SEX: Male	DAY ON TEST: 574
	DOSE: 14 MG/KG	DISP: Natural Death	HISTO: 9901352

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 2-5]		Necrosis	Focal, Moderate
[Necrosis TGLS = 3-5]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Heart Atrium Thrombosis		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 63	TRT#: 3	SEX: Male	DAY ON TEST: 728
	DOSE: 14 MG/KG	DISP: Terminal Sacrifice	HISTO: 9901353

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Mammary Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
* Pancreas	Acinus	Carcinoma	
[Carcinoma TGLS = 4-12]			
* Preputial Gland		Hyperplasia	Mild
		Inflammation	Chronic, Mild
[Hyperplasia TGLS = 2-11]			
* Prostate		Inflammation	Chronic Active, Minimal
* Skin	Subcut Tiss	Fibrosarcoma	
[Fibrosarcoma TGLS = 1-12]			
* Spleen	Lymph Follic	Atrophy	Mild
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 3-10]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 63

TRT#: 3

SEX: Male

DAY ON TEST: 728

DOSE: 14 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901353

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 64

TRT#: 3

SEX: Male

DAY ON TEST: 727

DOSE: 14 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901354

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Adrenal Medulla		Hyperplasia	Focal, Moderate
* Heart	Myocardium	Degeneration	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Granulomatous, Minimal
* Mammary Gland	Duct	Dilatation	Minimal
		Hyperplasia	Minimal
* Pancreas		Fibrosis	Minimal
[Fibrosis TGLS = 4-12]			
* Pituitary Gland		Angiectasis	Mild
		Cyst	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
[Angiectasis TGLS = 3-8]			
[Hyperplasia TGLS = 3-8]			
* Preputial Gland		Adenoma	
[Adenoma TGLS = 1-13]			
* Spleen	Lymph Follic	Atrophy	Mild
		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:01

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 64

TRT#: 3

SEX: Male

DAY ON TEST: 727

DOSE: 14 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901354

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-10]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 65

TRT#: 3

SEX: Male

DAY ON TEST: 728

DOSE: 14 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901355

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart	Myocardium	Degeneration	Moderate
* Intestine Large, Rectum		Polyp Adenomatous	
[Polyp Adenomatous TGLS = 6-12]			
* Intestine Small, Duodenum	Epithelium	Necrosis	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Clear Cell Focus	
		Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
[Clear Cell Focus TGLS = 2-7]			
[Mixed Cell Focus TGLS = 1,3-12+13]			
* Lung	Alveolus	Emphysema	Focal, Mild
[Emphysema TGLS = 5-3+4]			
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen	Lymph Follic	Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:01

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 65

TRT#: 3

SEX: Male

DAY ON TEST: 728

DOSE: 14 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901355

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 66

TRT#: 3

SEX: Male

DAY ON TEST: 727

DOSE: 14 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901356

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Heart	Myocardium	Degeneration	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 5-12]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Minimal
[Clear Cell Focus TGLS = 2-13]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
[Inflammation TGLS = 4-3]			
* Mammary Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 66

TRT#: 3

SEX: Male

DAY ON TEST: 727

DOSE: 14 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901356

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 67

TRT#: 3

SEX: Male

DAY ON TEST: 668

DOSE: 14 MG/KG

DISP: Natural Death

HISTO: 9901357

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Thymus	* Trachea

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart	Myocardium	Degeneration	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-6+7]	
* Lung		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 7-3+4+14]	
Lymph Node	Mediastinal	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 5-13]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-12]	
* Mammary Gland	Duct	Dilatation	Minimal
		Hyperplasia	Minimal
* Nose		Inflammation	Chronic, Minimal
* Pancreas		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic, Mild
* Skin		Keratoacanthoma	
		[Keratoacanthoma TGLS = 6-15]	
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 67	TRT#: 3	SEX: Male	DAY ON TEST: 668
	DOSE: 14 MG/KG	DISP: Natural Death	HISTO: 9901357

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-5]			
* Stomach, Forestomach		Leukemia Mononuclear Ulcer	Moderate
* Stomach, Glandular		Leukemia Mononuclear Ulcer	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	

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

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:01

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 68

TRT#: 3

SEX: Male

DAY ON TEST: 728

DOSE: 14 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901358

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 69 **TRT#:** 3 **SEX:** Male **DAY ON TEST:** 728
DOSE: 14 MG/KG **DISP:** Terminal Sacrifice **HISTO:** 9901359

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 3-12]			
* Mammary Gland		Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Preputial Gland		Hyperplasia	Minimal
* Spleen	Lymph Follic	Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 69

TRT#: 3

SEX: Male

DAY ON TEST: 728

DOSE: 14 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901359

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 70

TRT#: 3

SEX: Male

DAY ON TEST: 728

DOSE: 14 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901360

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
[Clear Cell Focus TGLS = 3-13]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland	Duct	Dilatation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Skin	Subcut Tiss	Lipoma	
[Lipoma TGLS = 1-12]			
* Spleen	Lymph Follic	Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:01

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 70

TRT#: 3

SEX: Male

DAY ON TEST: 728

DOSE: 14 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901360

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 71

TRT#: 3

SEX: Male

DAY ON TEST: 313

DOSE: 14 MG/KG

DISP: Natural Death

HISTO: 9901361

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-12]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-13]			
* Mammary Gland		Hyperplasia	Minimal
* Nose		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Preputial Gland		Leukemia Mononuclear	
* Prostate		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-5]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 72

TRT#: 3

SEX: Male

DAY ON TEST: 728

DOSE: 14 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901362

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Minimal
* Mammary Gland	Duct	Dilatation	Minimal
		Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Preputial Gland		Inflammation	Chronic, Mild
[Inflammation TGLS = 4-11]			
* Prostate		Inflammation	Chronic Active, Minimal
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-12]			
* Spleen	Lymph Follic	Hyperplasia	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:01

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 72

TRT#: 3

SEX: Male

DAY ON TEST: 728

DOSE: 14 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901362

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 73	TRT#: 3	SEX: Male	DAY ON TEST: 727
	DOSE: 14 MG/KG	DISP: Terminal Sacrifice	HISTO: 9901363

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Hydrocephalus	Mild
* Heart	Myocardium	Degeneration	Moderate
* Liver		Clear Cell Focus	
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
* Mammary Gland	Duct	Dilatation	Minimal
		Hyperplasia	Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Preputial Gland		Inflammation	Chronic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 74	TRT#: 3	SEX: Male	DAY ON TEST: 728
	DOSE: 14 MG/KG	DISP: Terminal Sacrifice	HISTO: 9901364

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Mammary Gland	Duct	Dilatation	Minimal
		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen	Lymph Follic	Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 75

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 14 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901365

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
[Hepatodiaphragmatic Nodule TGLS = 3-6]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-12]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-13]			
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen	Lymph Follic	Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 75

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 14 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901365

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 76

TRT#: 3

SEX: Male

DAY ON TEST: 728

DOSE: 14 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901366

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart	Myocardium	Degeneration	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
Lymph Node	Mediastinal	Ectasia	Minimal
	Mediastinal	Hyperplasia	Lymphoid, Minimal
[Ectasia TGLS = 3-12]			
[Hyperplasia TGLS = 3-12]			
* Mammary Gland	Duct	Dilatation	Minimal
		Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen	Lymph Follic	Atrophy	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:01

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 76

TRT#: 3

SEX: Male

DAY ON TEST: 728

DOSE: 14 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901366

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-10]

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 77	TRT#: 3	SEX: Male	DAY ON TEST: 727
	DOSE: 14 MG/KG	DISP: Terminal Sacrifice	HISTO: 9901367

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart	Myocardium	Degeneration	Moderate
[Degeneration TGLS = 2-12]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Artery	Hyperplasia	Focal, Mild
	Bile Duct	Hyperplasia	Minimal
* Mammary Gland	Duct	Dilatation	Diffuse, Minimal
		Hyperplasia	Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen	Lymph Follic	Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 78

TRT#: 3

SEX: Male

DAY ON TEST: 728

DOSE: 14 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901368

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Mild
* Mammary Gland	Duct	Dilatation	Mild
		Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 4-8]		
* Preputial Gland		Inflammation	Chronic, Mild
* Skin		Keratoacanthoma	
		Metaplasia	Osseous, Marked
		Squamous Cell Carcinoma	
	[Keratoacanthoma TGLS = 1-12]		
	[Metaplasia TGLS = 3-13]		
	[Squamous Cell Carcinoma TGLS = 2-13]		
* Spleen	Lymph Follic	Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 78	TRT#: 3	SEX: Male	DAY ON TEST: 728
	DOSE: 14 MG/KG	DISP: Terminal Sacrifice	HISTO: 9901368

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:01
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 79	TRT#: 3	SEX: Male	DAY ON TEST: 131
	DOSE: 14 MG/KG	DISP: Natural Death	HISTO: 9901369

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain	Cerebrum, Hippocampus	Degeneration	Moderate
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 1-12]			
* Mammary Gland		Hyperplasia	Minimal
* Spleen	Lymph Follic	Atrophy	Mild

PRIMARY CAUSE OF DEATH - Brain Cerebrum Hippocampus Degeneration

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 80

TRT#: 3

SEX: Male

DAY ON TEST: 705

DOSE: 14 MG/KG

DISP: Natural Death

HISTO: 9901370

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Focal, Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain	Hypothalamus	Compression	Mild
* Heart	Myocardium	Degeneration	Moderate
	Atrium	Thrombosis	Moderate
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
[Nephropathy TGLS = 3-5]			
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6+7]			
* Lung		Leukemia Mononuclear	
* Mammary Gland	Duct	Dilatation	Minimal
		Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 5-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 80	TRT#: 3 DOSE: 14 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 705 HISTO: 9901370
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ORGAN AND ACCOUNTABLE SITE STATUS

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

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Heart Atrium Thrombosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:02

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 81

TRT#: 3

SEX: Male

DAY ON TEST: 728

DOSE: 14 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901371

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-6+7]			
* Mammary Gland	Duct	Dilatation	Minimal
* Pancreas	Acinus	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:02

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 82

TRT#: 3

SEX: Male

DAY ON TEST: 727

DOSE: 14 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901372

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Focal, Mild
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
* Mammary Gland	Duct	Dilatation	Minimal
		Hyperplasia	Minimal
* Nose		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen	Lymph Follic	Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 1-10]	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 83	TRT#: 3	SEX: Male	DAY ON TEST: 727
	DOSE: 14 MG/KG	DISP: Terminal Sacrifice	HISTO: 9901373

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart	Myocardium	Degeneration	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
* Mammary Gland		Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-13]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Skin	Subcut Tiss	Fibrosarcoma	
[Fibrosarcoma TGLS = 1-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 84

TRT#: 3

SEX: Male

DAY ON TEST: 551

DOSE: 14 MG/KG

DISP: Natural Death

HISTO: 9901374

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Fibrosis	Focal, Mild
[Fibrosis TGLS = 1-12]			
* Lung	Alveolus	Carcinoma	Metastatic (Thyroid Gland)
		Inflammation	Acute, Marked
		Thrombosis	Marked
[Inflammation TGLS = 4-3+4]			
* Mammary Gland		Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland		Inflammation	Chronic, Minimal
* Spleen	Lymph Follic	Atrophy	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	Bilateral, Follicle	Carcinoma	
[Carcinoma TGLS = 3-13]			

PRIMARY CAUSE OF DEATH

- Thyroid Gland Bilateral Follicle Carcinoma

CONTRIBUTORY CAUSE OF DEATH

- Lung Alveolus Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 85	TRT#: 3	SEX: Male	DAY ON TEST: 727
	DOSE: 14 MG/KG	DISP: Terminal Sacrifice	HISTO: 9901375

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart	Myocardium	Degeneration	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
	[Hepatodiaphragmatic Nodule TGLS = 3-7]		
* Mammary Gland		Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic, Minimal
* Seminal Vesicle		Atrophy	Mild
	[Atrophy TGLS = 2-10]		
* Spleen	Lymph Follic	Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-10]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 86

TRT#: 3

SEX: Male

DAY ON TEST: 713

DOSE: 14 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901376

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
	[Pheochromocytoma Benign TGLS = 8-8]		
* Bone Marrow		Leukemia Mononuclear	
* Heart	Myocardium	Degeneration	Mild
	Atrium	Thrombosis	Moderate
	[Thrombosis TGLS = 6-14]		
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-13]		
* Mammary Gland	Duct	Dilatation	Minimal
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLS = 7-12]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Fibrosis	Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 86	TRT#: 3	SEX: Male	DAY ON TEST: 713
	DOSE: 14 MG/KG	DISP: Moribund Sacrifice	HISTO: 9901376

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 3-12]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
Tongue		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 5-13]			

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Heart Atrium Thrombosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 87

TRT#: 3

SEX: Male

DAY ON TEST: 728

DOSE: 14 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901377

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart	Myocardium	Degeneration	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Spleen	Lymph Follic	Atrophy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 88

TRT#: 3

SEX: Male

DAY ON TEST: 728

DOSE: 14 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901378

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Brain		Hydrocephalus	Minimal
* Heart	Myocardium	Degeneration	Moderate
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Minimal
		Leukemia Mononuclear	
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
		Metaplasia	Osseous, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 3-13]			
* Mammary Gland	Duct	Dilatation	Mild
		Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 2-13]			
* Pancreas	Acinus	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 88	TRT#: 3 DOSE: 14 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO: 9901378
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 4-8]	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic, Minimal
* Skin [Adenoma TGLS = 1-12]	Sebaceous Gl	Adenoma	
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 89 **TRT#:** 3 **SEX:** Male **DAY ON TEST:** 728
DOSE: 14 MG/KG **DISP:** Terminal Sacrifice **HISTO:** 9901379

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart	Myocardium	Degeneration	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
[Hepatodiaphragmatic Nodule TGLS = 1-6]			
* Lung		Emphysema	Focal, Minimal
[Emphysema TGLS = 3-3+4]			
Lymph Node	Mediastinal	Ectasia	Minimal
	Mediastinal	Hyperplasia	Lymphoid, Minimal
[Ectasia TGLS = 4-12]			
[Hyperplasia TGLS = 4-12]			
* Mammary Gland	Duct	Dilatation	Minimal
		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 89	TRT#: 3 DOSE: 14 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO: 9901379
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ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Spleen	Lymph Follic	Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 90	TRT#: 3	SEX: Male	DAY ON TEST: 645
	DOSE: 14 MG/KG	DISP: Moribund Sacrifice	HISTO: 9901380

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Parathyroid Gland	* Prostate	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Brain		Hydrocephalus	Mild
		Leukemia Mononuclear	
* Heart	Myocardium	Degeneration	Mild
		Leukemia Mononuclear	
* Intestine Large, Rectum		Myxomatous Change	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-6+7]	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 5-12]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 6-13]	
* Mammary Gland	Duct	Dilatation	Mild
		Hyperplasia	Minimal
* Nose	Respirat Epith	Adenoma	
		Inflammation	Chronic, Minimal
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 90	TRT#: 3	SEX: Male	DAY ON TEST: 645
	DOSE: 14 MG/KG	DISP: Moribund Sacrifice	HISTO: 9901380

ORGAN AND ACCOUNTABLE SITE STATUS

* Salivary Glands [Schwannoma Malignant TGLS = 1-14]		Schwannoma Malignant	
* Spleen [Leukemia Mononuclear TGLS = 2-5]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 3-10]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 91

TRT#: 3

SEX: Male

DAY ON TEST: 727

DOSE: 14 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901381

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Focal, Mild
* Heart	Myocardium	Degeneration	Moderate
* Intestine Large, Rectum		Parasite Metazoan	
* Intestine Small, Jejunum	Peyers Patch	Hyperplasia	Mild
[Hyperplasia TGLS = 3-6]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Minimal
		Leukemia Mononuclear	
		Mixed Cell Focus	
* Lung		Leukemia Mononuclear	
* Mammary Gland	Duct	Dilatation	Minimal
		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 2-8]			
* Preputial Gland		Inflammation	Chronic, Minimal
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 91	TRT#: 3	SEX: Male	DAY ON TEST: 727
	DOSE: 14 MG/KG	DISP: Terminal Sacrifice	HISTO: 9901381

ORGAN AND ACCOUNTABLE SITE STATUS

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 92	TRT#: 3	SEX: Male	DAY ON TEST: 724
	DOSE: 14 MG/KG	DISP: Moribund Sacrifice	HISTO: 9901382

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
* Bone Marrow		Leukemia Mononuclear	
* Brain		Hydrocephalus	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6+7]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-12]		
	[Leukemia Mononuclear TGLS = 5-13]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-6]		
* Mammary Gland		Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Moderate
	[Necrosis TGLS = 4-13]		
* Nose		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 8-8]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 92	TRT#: 3	SEX: Male	DAY ON TEST: 724
	DOSE: 14 MG/KG	DISP: Moribund Sacrifice	HISTO: 9901382

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Marked

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 93	TRT#: 3 DOSE: 14 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 503 HISTO: 9901383
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart	Myocardium	Degeneration	Moderate
* Liver		Hepatodiaphragmatic Nodule	
	[Hepatodiaphragmatic Nodule TGLS = 1-6]		
* Mammary Gland		Hyperplasia	Minimal
* Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 94

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 14 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901384

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
* Lung		Metaplasia	Osseous, Minimal
* Mammary Gland		Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-12]			
* Pancreas	Acinus	Hyperplasia	Focal, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen	Lymph Follic	Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:02

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 94

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 14 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901384

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:02

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 95

TRT#: 3

SEX: Male

DAY ON TEST: 713

DOSE: 14 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901385

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-9]			
Eye		Cataract	Moderate
[Cataract TGLS = 1-13]			
* Heart	Myocardium	Degeneration	Mild
* Intestine Large, Colon		Leukemia Mononuclear	
* Intestine Small, Duodenum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
[Leukemia Mononuclear TGLS = 3-6+7]		Leukemia Mononuclear	
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-12]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-14]			
* Mammary Gland	Duct	Dilatation	Minimal
		Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 95	TRT#: 3	SEX: Male	DAY ON TEST: 713
	DOSE: 14 MG/KG	DISP: Moribund Sacrifice	HISTO: 9901385

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 6-13]			
* Nose		Inflammation	Chronic, Minimal
		Ulcer	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-8]			
* Preputial Gland		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-12]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 96	TRT#: 3 DOSE: 14 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: 9901386
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6+7]			
* Mammary Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-12]			
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 97

TRT#: 3

SEX: Male

DAY ON TEST: 728

DOSE: 14 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901387

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 3-13]			
[Clear Cell Focus TGLS = 3-13]			
[Eosinophilic Focus TGLS = 3-13]			
[Mixed Cell Focus TGLS = 3-13]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 4-12]			
* Mammary Gland	Duct	Dilatation	Minimal
		Hyperplasia	Minimal
* Pituitary Gland		Cyst	Minimal
* Preputial Gland		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 97	TRT#: 3	SEX: Male	DAY ON TEST: 728
	DOSE: 14 MG/KG	DISP: Terminal Sacrifice	HISTO: 9901387

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 2-10]	Bilateral, Interstit Cell	Adenoma
* Thyroid Gland	C Cell	Adenoma
PRIMARY CAUSE OF DEATH	-	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 98

TRT#: 3

SEX: Male

DAY ON TEST: 577

DOSE: 14 MG/KG

DISP: Dosing Accident

HISTO: 9901388

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Esophagus	Muscularis, Periesoph Tiss	Inflammation	Chronic, Moderate
[Inflammation TGLS = 3-3]			
* Heart	Myocardium	Degeneration	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 4-6]			
* Mammary Gland		Hyperplasia	Minimal
* Nose		Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Chronic Active, Minimal
* Skin	Subcut Tiss	Hemangiosarcoma	
[Hemangiosarcoma TGLS = 2-12]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach		Edema	Moderate
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:02

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 98

TRT#: 3

SEX: Male

DAY ON TEST: 577

DOSE: 14 MG/KG

DISP: Dosing Accident

HISTO: 9901388

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:02

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 99

TRT#: 3

SEX: Male

DAY ON TEST: 715

DOSE: 14 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901389

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Focal, Moderate
* Bone Marrow		Leukemia Mononuclear	
* Heart	Myocardium	Degeneration	Mild
* Kidney		Leukemia Mononuclear	
	Renal Tubule	Nephropathy	Moderate
		Pigmentation	Lipofuscin, Moderate
[Pigmentation TGLS = 3-5]			
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6+7]			
* Lung	Mediastinum	Inflammation	Chronic, Mild
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Hemorrhage	Moderate
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Hemorrhage TGLS = 2-13]			
[Leukemia Mononuclear TGLS = 6-12]			
[Leukemia Mononuclear TGLS = 2-13]			
* Mammary Gland		Hyperplasia	Minimal
* Preputial Gland		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 99	TRT#: 3 DOSE: 14 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 715 HISTO: 9901389
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ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Chronic Active, Minimal
* Spleen		Hyperplasia Leukemia Mononuclear	Lymphohistiocytosis, Mild
[Leukemia Mononuclear TGLS = 1-5]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-10]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:02

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 100

TRT#: 3

SEX: Male

DAY ON TEST: 674

DOSE: 14 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901390

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
* Lung		Schwannoma Malignant	Metastatic (Salivary Glands)
Note: Lung has metastatic myoepithelioma originating in salivary gl, but no way to code this lesion.			
* Mammary Gland		Hyperplasia	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Salivary Glands		Schwannoma Malignant	
[Schwannoma Malignant TGLS = 1-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Salivary Glands Schwannoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:02

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 101

TRT#: 5

SEX: Male

DAY ON TEST: 727

DOSE: 42 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901391

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 102

TRT#: 5

SEX: Male

DAY ON TEST: 582

DOSE: 42 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901392

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Moderate
* Bone Marrow		Leukemia Mononuclear	
* Brain	Cerebrum	Degeneration	Focal, Mild
* Heart	Myocardium	Degeneration	Minimal
		Leukemia Mononuclear	
* Kidney		Infarct	Minimal
		Leukemia Mononuclear	
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Lipofuscin, Moderate
	[Infarct TGLS = 6-5]		
	[Pigmentation TGLS = 7-5]		
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6+7]		
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-12]		
	[Leukemia Mononuclear TGLS = 8-14]		
	[Leukemia Mononuclear TGLS = 9-13]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 102	TRT#: 5	SEX: Male	DAY ON TEST: 582
	DOSE: 42 MG/KG	DISP: Moribund Sacrifice	HISTO: 9901392

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4-15]			
* Mammary Gland	Duct	Dilatation	Minimal
		Hyperplasia	Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic Active, Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-12]			
* Stomach, Glandular	Epithelium	Hyperplasia	Focal, Minimal
		Ulcer	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 103

TRT#: 5

SEX: Male

DAY ON TEST: 728

DOSE: 42 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901393

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland	Duct	Dilatation	Minimal
		Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Skin	Subcut Tiss	Fibroma	
		[Fibroma TGLS = 1-12]	
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-13]	
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 103

TRT#: 5

SEX: Male

DAY ON TEST: 728

DOSE: 42 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901393

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-10]

* Thyroid Gland

C Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:02

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 104

TRT#: 5

SEX: Male

DAY ON TEST: 630

DOSE: 42 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901394

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Nose
* Pancreas	* Parathyroid Gland	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain	Medulla	Degeneration Hydrocephalus	Focal, Mild Minimal
* Heart	Myocardium	Degeneration	Moderate
* Liver		Basophilic Focus Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
* Lung	Alveolus	Inflammation Inflammation	Granulomatous, Minimal Chronic Active, Focal, Minimal
[Inflammation TGLS = 3-3+4]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland	Duct	Dilatation Hyperplasia	Minimal Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Preputial Gland		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Chronic Active, Mild
* Salivary Glands		Schwannoma Malignant	
[Schwannoma Malignant TGLS = 1-12]			
* Spleen		Hyperplasia	Lymphohistiocytosis, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 104

TRT#: 5
DOSE: 42 MG/KG

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 630
HISTO: 9901394

ORGAN AND ACCOUNTABLE SITE STATUS

* Trachea

Schwannoma Malignant
Schwannoma Malignant

Metastatic (Salivary Glands)
Metastatic (Salivary Glands)

PRIMARY CAUSE OF DEATH

- Salivary Glands Schwannoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 105

TRT#: 5

SEX: Male

DAY ON TEST: 728

DOSE: 42 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901395

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Moderate
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland	Duct	Dilatation	Minimal
		Hyperplasia	Minimal
* Nose		Inflammation	Chronic, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Chronic Active, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
		Cyst	Marked
		[Adenoma TGLS = 1-10]	
		[Cyst TGLS = 2-12]	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:02

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 105

TRT#: 5

SEX: Male

DAY ON TEST: 728

DOSE: 42 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901395

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 106

TRT#: 5

SEX: Male

DAY ON TEST: 686

DOSE: 42 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901396

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 3-8]			
* Brain	Hypothalamus	Compression	Moderate
		Hydrocephalus	Moderate
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Moderate
* Liver		Eosinophilic Focus	
		Inflammation	Granulomatous, Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland	Duct	Dilatation	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-8]			
* Preputial Gland		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Chronic Active, Mild
* Spleen	Lymph Follic	Atrophy	Mild
* Stomach, Forestomach		Ulcer	Marked
* Testes	Germinal Epith	Atrophy	Mild
[Atrophy TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:02

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 106

TRT#: 5

SEX: Male

DAY ON TEST: 686

DOSE: 42 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901396

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH

- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 107

TRT#: 5

SEX: Male

DAY ON TEST: 727

DOSE: 42 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901397

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 3-8]			
* Brain		Hydrocephalus	Mild
* Heart	Myocardium	Degeneration	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Granulomatous, Minimal
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland	Duct	Dilatation	Minimal
		Hyperplasia	Minimal
* Nose		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Prostate		Hyperplasia	Focal, Minimal
		Inflammation	Chronic Active, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	Follicle	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:02

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 107

TRT#: 5

SEX: Male

DAY ON TEST: 727

DOSE: 42 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901397

ORGAN AND ACCOUNTABLE SITE STATUS

C Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 108

TRT#: 5

SEX: Male

DAY ON TEST: 727

DOSE: 42 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901398

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Kidney	Renal Tubule	Necrosis	Focal, Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Minimal
* Mammary Gland	Duct	Dilatation	Minimal
		Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Preputial Gland		Inflammation	Chronic, Minimal
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-12]			
* Spleen	Lymph Follic	Atrophy	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 109	TRT#: 5 DOSE: 42 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 695 HISTO: 9901399
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ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:02

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 110

TRT#: 5

SEX: Male

DAY ON TEST: 727

DOSE: 42 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901400

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	* Nose
* Pancreas	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 2-11]			
* Heart	Myocardium	Degeneration	Moderate
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 3-6+7]			
[Clear Cell Focus TGLS = 3-6+7]			
[Mixed Cell Focus TGLS = 3,4-6+7+12]			
* Mammary Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-8]			
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen	Lymph Follic	Atrophy	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 111

TRT#: 5

SEX: Male

DAY ON TEST: 727

DOSE: 42 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901401

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Heart	Myocardium	Degeneration	Mild
* Intestine Small, Jejunum		Inflammation	Chronic, Focal, Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
* Lymph Node, Mandibular		Ectasia	Moderate
[Ectasia TGLS = 4-12]			
* Mammary Gland	Duct	Dilatation	Minimal
		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]		Cyst	Mild
* Preputial Gland		Adenoma	
[Adenoma TGLS = 1-13]		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen	Lymph Follic	Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 111

TRT#: 5

SEX: Male

DAY ON TEST: 727

DOSE: 42 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901401

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 112

TRT#: 5

SEX: Male

DAY ON TEST: 674

DOSE: 42 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901402

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Heart	Myocardium	Degeneration	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Inflammation	Chronic, Minimal
* Skin	Subcut Tiss	Fibroma	
		[Fibroma TGLS = 2-12]	
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 1-10]	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 113

TRT#: 5

SEX: Male

DAY ON TEST: 686

DOSE: 42 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901403

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Adrenal Medulla		Hyperplasia	Focal, Moderate
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6+7]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-14]		
	[Leukemia Mononuclear TGLS = 7-12]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-15]		
* Mammary Gland	Duct	Dilatation	Mild
Mesentery	Fat	Necrosis	Moderate
	[Necrosis TGLS = 3-16]		
* Nose		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Chronic Active, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 113	TRT#: 5	SEX: Male	DAY ON TEST: 686
	DOSE: 42 MG/KG	DISP: Moribund Sacrifice	HISTO: 9901403

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 1-13]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 2-10] [Hyperplasia TGLS = 2-10]	Interstit Cell Interstit Cell	Adenoma Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 114

TRT#: 5

SEX: Male

DAY ON TEST: 484

DOSE: 42 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901404

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Nose
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Intestine Large, Rectum		Erosion	Moderate
		Inflammation	Chronic, Moderate
* Liver	Bile Duct	Hyperplasia	Mild
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 6-6]			
* Mammary Gland		Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 4-13]			
* Pancreas	Duct	Necrosis	Moderate
Peritoneum		Inflammation	Chronic, Moderate
* Preputial Gland		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen	Lymph Follic	Atrophy	Mild
		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach		Ulcer	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:02

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 114

TRT#: 5

SEX: Male

DAY ON TEST: 484

DOSE: 42 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901404

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Intestine Large, Rectum Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 115

TRT#: 5

SEX: Male

DAY ON TEST: 727

DOSE: 42 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901405

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Focal, Minimal
		Leukemia Mononuclear	
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6+7]		
* Lung		Leukemia Mononuclear	
* Mammary Gland	Duct	Dilatation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-5]		
* Testes	Bilateral, Interstit Cell	Adenoma	
		Cyst	Marked
	[Adenoma TGLS = 3-11+12]		
	[Cyst TGLS = 4-12]		
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 115

TRT#: 5

SEX: Male

DAY ON TEST: 727

DOSE: 42 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901405

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 116

TRT#: 5

SEX: Male

DAY ON TEST: 716

DOSE: 42 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901406

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3,4-6+7]		
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Hemorrhage	Moderate
		Leukemia Mononuclear	
	[Hemorrhage TGLS = 6-12]		
	[Leukemia Mononuclear TGLS = 6-12]		
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-12]		
* Stomach, Forestomach		Hyperplasia	Squamous, Focal, Mild
* Stomach, Glandular		Ulcer	Minimal
* Testes	Interstitial Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 116	TRT#: 5	SEX: Male	DAY ON TEST: 716
	DOSE: 42 MG/KG	DISP: Moribund Sacrifice	HISTO: 9901406

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-10]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-3]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 117

TRT#: 5

SEX: Male

DAY ON TEST: 728

DOSE: 42 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901407

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
Lymph Node	Mediastinal	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 2-3]			
* Mammary Gland	Duct	Dilatation	Minimal
		Hyperplasia	Minimal
* Pancreas	Acinus	Adenoma	
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen	Lymph Follic	Atrophy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 118

TRT#: 5

SEX: Male

DAY ON TEST: 492

DOSE: 42 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901408

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart	Myocardium	Degeneration	Mild
* Intestine Large, Rectum		Myxomatous Change	Mild
		Parasite Metazoan	
		Polyp Adenomatous	
[Polyp Adenomatous TGLS = 1-6]			
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Minimal
* Preputial Gland		Inflammation	Chronic, Minimal
* Seminal Vesicle		Hyperplasia	Mild
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Intestine Large, Rectum Polyp Adenomatous

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 119

TRT#: 5

SEX: Male

DAY ON TEST: 586

DOSE: 42 MG/KG

DISP: Natural Death

HISTO: 9901409

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Brain	Hypothalamus	Compression	Marked
		Hydrocephalus	Marked
* Heart	Myocardium	Degeneration	Moderate
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
* Mammary Gland	Duct	Dilatation	Mild
* Nose		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-8]		
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 120

TRT#: 5

SEX: Male

DAY ON TEST: 462

DOSE: 42 MG/KG

DISP: Natural Death

HISTO: 9901410

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Brain	Hypothalamus	Compression Hydrocephalus	Moderate Minimal
* Heart	Myocardium	Degeneration	Minimal
* Liver		Inflammation	Granulomatous, Minimal
* Mammary Gland	Duct	Dilatation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Preputial Gland		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Hyperplasia	Mild
* Spleen	Lymph Follic	Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 121

TRT#: 5

SEX: Male

DAY ON TEST: 728

DOSE: 42 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901411

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart	Myocardium	Degeneration	Moderate
* Intestine Large, Rectum		Myxomatous Change	Minimal
		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Minimal
* Nose		Inflammation	Chronic, Minimal
* Pituitary Gland		Cyst	Minimal
* Preputial Gland		Inflammation	Chronic, Minimal
* Spleen	Lymph Follic	Atrophy	Mild
* Stomach, Glandular		Mineralization	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-10]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:02

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 121

TRT#: 5

SEX: Male

DAY ON TEST: 728

DOSE: 42 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901411

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 122

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 42 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901412

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
* Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic, Minimal
* Skin	Subcut Tiss	Fibrosarcoma	
[Fibrosarcoma TGLS = 1-13]			
* Spleen	Lymph Follic	Atrophy	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 123

TRT#: 5

SEX: Male

DAY ON TEST: 674

DOSE: 42 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901413

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Focal, Minimal
		Leukemia Mononuclear	
* Heart	Myocardium	Degeneration	Minimal
* Intestine Small, Ileum		Parasite Metazoan	
* Kidney		Leukemia Mononuclear	
	Renal Tubule	Pigmentation	Lipofuscin, Mild
	[Pigmentation TGLS = 4-5]		
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6+7]		
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
		Leukemia Mononuclear	
		Leukemia Mononuclear	
	Lymph Node		
	[Leukemia Mononuclear TGLS = 6-12]		
* Lymph Node, Mesenteric	Mediastinal	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6]		
* Mammary Gland	Duct	Dilatation	Minimal
		Hyperplasia	Minimal
* Nose		Inflammation	Chronic, Minimal
* Preputial Gland		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 123	TRT#: 5	SEX: Male	DAY ON TEST: 674
	DOSE: 42 MG/KG	DISP: Moribund Sacrifice	HISTO: 9901413

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 2-5]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 1-10]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 124

TRT#: 5

SEX: Male

DAY ON TEST: 561

DOSE: 42 MG/KG

DISP: Natural Death

HISTO: 9901414

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Nose	* Pancreas	* Prostate
* Seminal Vesicle	* Skin	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia Necrosis	Focal, Marked Acute, Marked
[Hyperplasia TGLS = 3-8]			
[Necrosis TGLS = 3-8]			
* Adrenal Medulla		Fibrosis Hyperplasia Necrosis	Mild Focal, Moderate Focal, Minimal
* Brain		Hydrocephalus	Minimal
* Heart	Myocardium	Degeneration	Mild
* Kidney	Pelvis	Inflammation Nephropathy	Suppurative, Moderate Moderate
* Liver	Centrilobular	Hepatodiaphragmatic Nodule Necrosis	Moderate
[Hepatodiaphragmatic Nodule TGLS = 2-12]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Preputial Gland		Cyst	Mild
		Inflammation	Chronic, Mild
* Salivary Glands	Parotid GI	Atrophy	Focal, Moderate
	Duct, Parotid GI, Sublingual GI	Mineralization	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 124	TRT#: 5 DOSE: 42 MG/KG	SEX: Male DISP: Natural Death	DAY ON TEST: 561 HISTO: 9901414
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ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Lymph Follic	Atrophy	Marked
* Stomach, Forestomach		Hyperplasia Inflammation	Squamous, Focal, Mild Chronic, Mild
* Stomach, Glandular		Ulcer	Mild
* Testes	Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 125

TRT#: 5

SEX: Male

DAY ON TEST: 630

DOSE: 42 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901415

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart	Myocardium	Degeneration	Moderate
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
	Centrilobular	Degeneration	Mild
	Bile Duct	Hyperplasia	Mild
* Mammary Gland		Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-12]			
* Preputial Gland		Inflammation	Chronic, Minimal
* Skin	Sebaceous Gl	Carcinoma	
[Carcinoma TGLS = 1-13]			
* Spleen		Hematopoietic Cell Proliferation	Mild
	Lymph Follic	Hyperplasia	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Skin Sebaceous Gl Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 126

TRT#: 5

SEX: Male

DAY ON TEST: 727

DOSE: 42 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901416

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart	Myocardium	Degeneration	Moderate
* Intestine Large, Rectum		Myxomatous Change	Minimal
		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Clear Cell Focus	
		Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Mild
[Inflammation TGLS = 2-3+4]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland	Duct	Dilatation	Minimal
* Preputial Gland		Cyst	Mild
		Inflammation	Chronic, Mild
[Cyst TGLS = 3-11]			
* Spleen	Lymph Follic	Atrophy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:02

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 126

TRT#: 5

SEX: Male

DAY ON TEST: 727

DOSE: 42 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901416

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 127

TRT#: 5

SEX: Male

DAY ON TEST: 574

DOSE: 42 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901417

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart	Myocardium	Degeneration	Minimal
* Liver		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Granulomatous, Minimal
[Hepatodiaphragmatic Nodule TGLS = 2-12]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-13]			
* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen	Lymph Follic	Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:02

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 128

TRT#: 5

SEX: Male

DAY ON TEST: 526

DOSE: 42 MG/KG

DISP: Natural Death

HISTO: 9901418

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-9]			
* Heart	Myocardium	Degeneration	Minimal
		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6+7]			
* Lung		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Minimal
* Pituitary Gland		Cyst	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-5]			
* Testes	Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 129

TRT#: 5

SEX: Male

DAY ON TEST: 727

DOSE: 42 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901419

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
[Basophilic Focus TGLS = 4-13]			
[Clear Cell Focus TGLS = 4-13]			
[Hepatodiaphragmatic Nodule TGLS = 2-12]			
* Lymph Node, Mesenteric		Ectasia	Mild
[Ectasia TGLS = 5-14]			
* Mammary Gland	Duct	Dilatation	Minimal
		Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen	Lymph Follic	Atrophy	Marked
		Hyperplasia	Lymphohistiocytosis, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 129

TRT#: 5

SEX: Male

DAY ON TEST: 727

DOSE: 42 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901419

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 1-10]

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:02

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 130

TRT#: 5

SEX: Male

DAY ON TEST: 419

DOSE: 42 MG/KG

DISP: Natural Death

HISTO: 9901420

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Rectum

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 2-8]			
* Heart	Myocardium	Degeneration	Mild
* Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 1-12]			
* Mammary Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Spleen	Lymph Follic	Atrophy	Moderate

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 131

TRT#: 5

SEX: Male

DAY ON TEST: 728

DOSE: 42 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901421

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Brain	Hypothalamus	Compression	Moderate
		Hydrocephalus	Moderate
* Heart	Myocardium	Degeneration	Moderate
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6+7]			
Lymph Node	Mediastinal	Ectasia	Mild
[Ectasia TGLS = 4-12]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-13]			
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 5,7-12]			
* Pancreas	Acinus	Hyperplasia	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-8]			
* Preputial Gland		Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 131	TRT#: 5	SEX: Male	DAY ON TEST: 728
	DOSE: 42 MG/KG	DISP: Terminal Sacrifice	HISTO: 9901421

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-5]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:02

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 132

TRT#: 5

SEX: Male

DAY ON TEST: 679

DOSE: 42 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901422

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Moderate
* Liver	Centrilobular	Fatty Change	Moderate
		Mixed Cell Focus	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen	Lymph Follic	Atrophy	Mild
* Stomach, Forestomach		Ulcer	Marked
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Kidney Nephropathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 133

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 42 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901423

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Heart	Myocardium	Degeneration	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Inflammation	Granulomatous, Minimal
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Mild
[Inflammation TGLS = 2-3+4]			
* Mammary Gland	Duct	Dilatation	Mild
* Preputial Gland		Inflammation	Chronic, Minimal
* Spleen	Lymph Follic	Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 134

TRT#: 5

SEX: Male

DAY ON TEST: 582

DOSE: 42 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901424

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Granuloma Sperm	Minimal
* Heart	Myocardium	Degeneration	Minimal
		Leukemia Mononuclear	
* Intestine Large, Rectum		Erosion	Mild
* Kidney		Infarct	Minimal
		Leukemia Mononuclear	
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Lipofuscin, Mild
	[Infarct TGLS = 4-5]		
	[Leukemia Mononuclear TGLS = 5-5]		
	[Pigmentation TGLS = 6-5]		
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6+7]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 10-4]		
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-13]		
	[Leukemia Mononuclear TGLS = 9-14]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 134	TRT#: 5	SEX: Male	DAY ON TEST: 582
	DOSE: 42 MG/KG	DISP: Moribund Sacrifice	HISTO: 9901424

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 7-15]			
* Mammary Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-12]			
* Stomach, Forestomach		Ulcer	Moderate
* Stomach, Glandular		Ulcer	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 135

TRT#: 5

SEX: Male

DAY ON TEST: 727

DOSE: 42 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901425

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart	Myocardium	Degeneration	Minimal
* Kidney		Hemorrhage	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
	[Mixed Cell Focus TGLS = 4-13]		
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-12]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Cyst	Moderate
	[Cyst TGLS = 2-11]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 3-10]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 136

TRT#: 5

SEX: Male

DAY ON TEST: 727

DOSE: 42 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901426

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Epididymis		Mesothelioma Malignant	
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
* Mammary Gland	Duct	Dilatation	Minimal
		Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-12]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Minimal
* Spleen	Lymph Follic	Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	Follicle	Cyst	Mild
	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:02

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 137

TRT#: 5

SEX: Male

DAY ON TEST: 727

DOSE: 42 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901427

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Adrenal Medulla		Fibrosis Pheochromocytoma Benign	Marked
[Pheochromocytoma Benign TGLS = 2-8]			
* Heart	Myocardium	Degeneration	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 4-12]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland	Duct	Dilatation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-12]			
* Preputial Gland		Inflammation	Suppurative, Mild
[Inflammation TGLS = 1-11]			
* Prostate		Inflammation	Chronic Active, Mild
* Spleen	Lymph Follic	Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 137

TRT#: 5

SEX: Male

DAY ON TEST: 727

DOSE: 42 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901427

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-10]

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 138	TRT#: 5	SEX: Male	DAY ON TEST: 727
	DOSE: 42 MG/KG	DISP: Terminal Sacrifice	HISTO: 9901428

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 2-10]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:02

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 139

TRT#: 5

SEX: Male

DAY ON TEST: 727

DOSE: 42 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901429

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Hydrocephalus	Mild
* Heart	Myocardium	Degeneration	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
Lymph Node	Mediastinal	Ectasia	Mild
	Renal	Ectasia	Moderate
	Renal	Infiltration Cellular	Plasma Cell, Marked
[Ectasia TGLS = 3-13]			
[Ectasia TGLS = 2-12]			
[Infiltration Cellular TGLS = 2-12]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland	Duct	Dilatation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Preputial Gland		Inflammation	Suppurative, Moderate
[Inflammation TGLS = 1-12]			
* Prostate		Inflammation	Chronic Active, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 139	TRT#: 5 DOSE: 42 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 727 HISTO: 9901429
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ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Lymph Follic	Atrophy	Mild
* Testes	Artery	Necrosis	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 140

TRT#: 5

SEX: Male

DAY ON TEST: 587

DOSE: 42 MG/KG

DISP: Natural Death

HISTO: 9901430

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
* Lung		Hemorrhage	Moderate
[Hemorrhage TGLS = 1-3+4]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Inflammation	Chronic, Minimal
* Spleen	Lymph Follic	Atrophy	Mild
* Testes	Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 141

TRT#: 5

SEX: Male

DAY ON TEST: 727

DOSE: 42 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901431

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
* Mammary Gland	Duct	Dilatation	Minimal
		Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Stomach, Glandular	Epithelium	Hyperplasia	Focal, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 1-10]	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:02

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 142

TRT#: 5

SEX: Male

DAY ON TEST: 717

DOSE: 42 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901432

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart	Myocardium	Degeneration	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-6+7]	
* Lung		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-3+4]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 5-12]	
* Mammary Gland	Duct	Dilatation	Mild
		Hyperplasia	Minimal
* Nose		Inflammation	Chronic, Minimal
* Pancreas		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic, Mild
* Seminal Vesicle		Fibrosis	Moderate
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 142	TRT#: 5	SEX: Male	DAY ON TEST: 717
	DOSE: 42 MG/KG	DISP: Moribund Sacrifice	HISTO: 9901432

ORGAN AND ACCOUNTABLE SITE STATUS

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 143

TRT#: 5

SEX: Male

DAY ON TEST: 533

DOSE: 42 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901433

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart	Myocardium	Degeneration	Minimal
		Histiocytic Sarcoma	
* Intestine Large, Rectum		Histiocytic Sarcoma	
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Histiocytic Sarcoma	
* Lung		Histiocytic Sarcoma	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-12]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Minimal
* Prostate		Histiocytic Sarcoma	
Skeletal Muscle		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 2-13]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Skeletal Muscle Histiocytic Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:02

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 143

TRT#: 5

SEX: Male

DAY ON TEST: 533

DOSE: 42 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901433

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 144

TRT#: 5

SEX: Male

DAY ON TEST: 727

DOSE: 42 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901434

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen	Lymph Follic	Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-10]		
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 145

TRT#: 5

SEX: Male

DAY ON TEST: 728

DOSE: 42 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901435

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Focal, Mild
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 4-6+7]			
[Clear Cell Focus TGLS = 4-6+7]			
[Eosinophilic Focus TGLS = 3-13]			
[Mixed Cell Focus TGLS = 4-6+7]			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 5-13]			
* Mammary Gland	Duct	Dilatation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Skin		Squamous Cell Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 145	TRT#: 5	SEX: Male	DAY ON TEST: 728
	DOSE: 42 MG/KG	DISP: Terminal Sacrifice	HISTO: 9901435

ORGAN AND ACCOUNTABLE SITE STATUS

[Squamous Cell Carcinoma TGLS = 1-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 146

TRT#: 5

SEX: Male

DAY ON TEST: 685

DOSE: 42 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901436

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Focal, Mild
* Heart	Atrium	Inflammation	Chronic, Mild
* Kidney	Renal Tubule	Necrosis	Focal, Minimal
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
	Centrilobular	Necrosis	Moderate
[Necrosis TGLS = 4-6+7]			
* Mammary Gland		Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-13]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-8]			
* Prostate		Inflammation	Chronic Active, Minimal
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-12]			
* Spleen	Lymph Follic	Atrophy	Mild
* Stomach, Glandular		Ulcer	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Heart Atrium Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 147

TRT#: 5

SEX: Male

DAY ON TEST: 728

DOSE: 42 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901437

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Marked
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Mild
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
		[Hepatodiaphragmatic Nodule TGLS = 2,3-7+6]	
		[Hyperplasia TGLS = 6-6+7]	
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Moderate
		[Inflammation TGLS = 4-3+4]	
* Lymph Node, Mesenteric		Ectasia	Mild
		[Ectasia TGLS = 5-6]	
* Mammary Gland	Duct	Dilatation	Minimal
		Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Salivary Glands	Sublingual GI	Atrophy	Focal, Mild
* Spleen	Lymph Follic	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 147	TRT#: 5	SEX: Male	DAY ON TEST: 728
	DOSE: 42 MG/KG	DISP: Terminal Sacrifice	HISTO: 9901437

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 1-10]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 148

TRT#: 5

SEX: Male

DAY ON TEST: 521

DOSE: 42 MG/KG

DISP: Natural Death

HISTO: 9901438

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Heart	Myocardium	Degeneration	Mild
* Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
* Mammary Gland		Hyperplasia	Minimal
* Preputial Gland		Inflammation	Chronic, Minimal
* Spleen	Lymph Follic	Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 149

TRT#: 5

SEX: Male

DAY ON TEST: 630

DOSE: 42 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901439

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart	Myocardium	Degeneration	Moderate
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6+7]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-14]		
	[Leukemia Mononuclear TGLS = 4-13]		
* Mammary Gland	Duct	Dilatation	Minimal
		Hyperplasia	Minimal
* Pituitary Gland		Cyst	Mild
	Pars Distalis	Hyperplasia	Focal, Minimal
	[Hyperplasia TGLS = 7-8]		
* Preputial Gland		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Chronic Active, Mild
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLS = 1-15]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 149	TRT#: 5 DOSE: 42 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 630 HISTO: 9901439
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ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 2-12]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 3-10]	Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 150

TRT#: 5

SEX: Male

DAY ON TEST: 728

DOSE: 42 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901440

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
[Eosinophilic Focus TGLS = 1-12]			
* Mammary Gland	Duct	Dilatation	Mild
		Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Nose			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen	Lymph Follic	Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:02

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 151

TRT#: 7

SEX: Male

DAY ON TEST: 629

DOSE: 126 MG/KG

DISP: Natural Death

HISTO: 9901441

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Rectum

OBSERVATIONS

* Brain	Hypothalamus	Compression	Moderate
		Hydrocephalus	Moderate
* Heart	Myocardium	Degeneration	Mild
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Minimal
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 1-13]		
* Mammary Gland	Duct	Dilatation	Mild
Mesentery	Fat	Necrosis	Moderate
	[Necrosis TGLS = 4-12]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-8]		
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-5]		
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 151

TRT#: 7

SEX: Male

DAY ON TEST: 629

DOSE: 126 MG/KG

DISP: Natural Death

HISTO: 9901441

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 152

TRT#: 7

SEX: Male

DAY ON TEST: 622

DOSE: 126 MG/KG

DISP: Natural Death

HISTO: 9901442

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Lung	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 4-11]			
* Heart	Myocardium	Degeneration	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Liver	Centrilobular	Fatty Change	Moderate
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
[Fatty Change TGLS = 2-6+7]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Minimal
Mesentery		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 5-12]			
* Nose		Thrombosis	Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland		Inflammation	Chronic, Minimal
* Spleen	Lymph Follic	Atrophy	Moderate
		Hematopoietic Cell Proliferation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 152

TRT#: 7

SEX: Male

DAY ON TEST: 622

DOSE: 126 MG/KG

DISP: Natural Death

HISTO: 9901442

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

- Mesentery Mesothelioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:02

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 153

TRT#: 7

SEX: Male

DAY ON TEST: 352

DOSE: 126 MG/KG

DISP: Dosing Accident

HISTO: 9901443

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Mammary Gland
--------------------------	-----------------

AUTO PRECLUDES DIAG.

* Intestine Large, Rectum

OBSERVATIONS

* Heart	Myocardium	Degeneration	Mild
* Liver	Centrilobular	Necrosis	Moderate
[Necrosis TGLS = 1-6+7]			
* Lung	Alveolus	Inflammation	Acute, Marked
[Inflammation TGLS = 3-3+4]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Moderate
		Infiltration Cellular	Histiocyte, Mild
* Prostate		Inflammation	Chronic Active, Minimal
Skeletal Muscle		Hemorrhage	Marked
[Hemorrhage TGLS = 2-12]			
* Spleen	Lymph Follic	Atrophy	Mild
		Hematopoietic Cell Proliferation	Minimal
* Trachea		Inflammation	Chronic, Mild
	Epithelium	Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 154

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 126 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901444

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Focal, Moderate
* Intestine Large, Rectum		Inflammation	Chronic, Mild
		Myxomatous Change	Minimal
		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Mild
[Inflammation TGLS = 8-6+7]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Mild
[Inflammation TGLS = 6-3+4]			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 7-13]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Preputial Gland		Cyst	Mild
		Inflammation	Chronic, Minimal
[Cyst TGLS = 2-11]			
* Spleen	Lymph Follic	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 154	TRT#: 7	SEX: Male	DAY ON TEST: 727
	DOSE: 126 MG/KG	DISP: Terminal Sacrifice	HISTO: 9901444

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 4,5-5+13]		Hyperplasia	Lymphohistiocy, Marked
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 155

TRT#: 7

SEX: Male

DAY ON TEST: 728

DOSE: 126 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901445

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Heart	Myocardium	Degeneration	Mild
* Intestine Large, Rectum		Myxomatous Change	Minimal
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Nose		Inflammation	Chronic, Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen	Lymph Follic	Atrophy	Mild
		Hyperplasia	Lymphohistiocytosis, Moderate
[Hyperplasia TGLS = 2,3-5+12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Trachea		Inflammation	Chronic, Minimal
		Ulcer	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 155

TRT#: 7

SEX: Male

DAY ON TEST: 728

DOSE: 126 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901445

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 156

TRT#: 7

SEX: Male

DAY ON TEST: 728

DOSE: 126 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901446

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Moderate
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
	[Pheochromocytoma Benign TGLS = 5-8]		
* Bone Marrow		Leukemia Mononuclear	
* Heart	Myocardium	Degeneration	Minimal
		Leukemia Mononuclear	
* Intestine Large, Rectum		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6+7]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-12]		
	[Leukemia Mononuclear TGLS = 6-13]		
* Mammary Gland	Duct	Dilatation	Mild
		Hyperplasia	Mild
* Nose		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 156	TRT#: 7	SEX: Male	DAY ON TEST: 728
	DOSE: 126 MG/KG	DISP: Terminal Sacrifice	HISTO: 9901446

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 7-8]	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen [Leukemia Mononuclear TGLS = 2-13]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 1-10]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
* Trachea		Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 157

TRT#: 7

SEX: Male

DAY ON TEST: 691

DOSE: 126 MG/KG

DISP: Natural Death

HISTO: 9901447

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Rectum * Lymph Node, Mesenteric

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart	Myocardium	Degeneration	Moderate
* Kidney		Leukemia Mononuclear	
* Liver	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6+7]		
* Lung		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Minimal
* Nose		Inflammation	Chronic, Mild
* Pituitary Gland		Necrosis	Focal, Moderate
	[Necrosis TGLS = 6-8]		
* Preputial Gland		Inflammation	Chronic, Mild
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLS = 1-12]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-5]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-10]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 157

TRT#: 7

SEX: Male

DAY ON TEST: 691

DOSE: 126 MG/KG

DISP: Natural Death

HISTO: 9901447

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 158

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 126 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901448

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Focal, Mild
* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Granuloma Sperm	Minimal
[Granuloma Sperm TGLS = 2-11]			
* Intestine Large, Rectum		Infiltration Cellular	Histiocyte, Minimal
		Myxomatous Change	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Eosinophilic Focus TGLS = 8-6+7]			
[Leukemia Mononuclear TGLS = 7-6+7]			
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Focal, Marked
	Alveolus	Inflammation	Chronic Active, Focal, Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-3+4]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-12]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 158

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 126 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901448

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Cyst	Moderate
[Cyst TGLS = 3-11]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 159

TRT#: 7

SEX: Male

DAY ON TEST: 707

DOSE: 126 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901449

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Heart	Myocardium	Degeneration	Marked
* Intestine Large, Rectum		Infiltration Cellular	Histiocyte, Minimal
		Myxomatous Change	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Minimal
		Leukemia Mononuclear	
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Mild
[Inflammation TGLS = 5-3+4]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Salivary Glands		Schwannoma Malignant	
[Schwannoma Malignant TGLS = 2-13]			
* Skin	Sebaceous GI	Adenoma	
[Adenoma TGLS = 1-12]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-5]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 159	TRT#: 7	SEX: Male	DAY ON TEST: 707
	DOSE: 126 MG/KG	DISP: Moribund Sacrifice	HISTO: 9901449

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	Follicle	Adenoma	
	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 160

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 126 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901450

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Adrenal Medulla		Hyperplasia	Focal, Mild
* Heart	Myocardium	Degeneration	Mild
* Intestine Large, Rectum		Myxomatous Change	Minimal
		Ulcer	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Mild
[Basophilic Focus TGLS = 5-13]			
* Lung		Myxomatous Change	Minimal
Lymph Node	Mediastinal	Angiectasis	Mild
[Angiectasis TGLS = 2-13]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland	Duct	Dilatation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Preputial Gland		Inflammation	Chronic, Minimal
* Seminal Vesicle		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 160	TRT#: 7	SEX: Male	DAY ON TEST: 729
	DOSE: 126 MG/KG	DISP: Terminal Sacrifice	HISTO: 9901450

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Lymph Follic	Atrophy	Mild
		Hyperplasia	Lymphohistiocytosis, Moderate
[Hyperplasia TGLS = 4-12]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Adenoma	
	Follicle	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 161

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 126 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901451

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 2-11]			
* Heart	Myocardium	Degeneration	Mild
* Intestine Large, Rectum		Erosion	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung	Interstitialium	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Focal, Minimal
	Alveolar Epith	Metaplasia	Squamous, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland	Duct	Dilatation	Minimal
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic, Minimal
* Spleen	Lymph Follic	Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 161

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 126 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901451

ORGAN AND ACCOUNTABLE SITE STATUS

Follicle

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 162

TRT#: 7

SEX: Male

DAY ON TEST: 640

DOSE: 126 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901452

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Mammary Gland
--------------------------	-----------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Brain	Hypothalamus	Compression	Marked
		Hydrocephalus	Moderate
* Heart	Myocardium	Degeneration	Mild
* Intestine Large, Rectum		Myxomatous Change	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
[Hyperplasia TGLS = 1-6+7]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Preputial Gland		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Chronic Active, Moderate
* Spleen	Lymph Follic	Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Trachea		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 163

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 126 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901453

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart	Myocardium	Degeneration	Mild
* Intestine Large, Rectum		Myxomatous Change	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
Lymph Node	Deep Cervical	Angiectasis	Moderate
[Angiectasis TGLS = 4-13]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Granulomatous, Minimal
[Inflammation TGLS = 5-6]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Pancreas	Acinus	Atrophy	Minimal
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen	Lymph Follic	Atrophy	Moderate
	Capsule	Fibrosis	Focal, Minimal
		Hyperplasia	Lymphohistiocytosis, Moderate
[Fibrosis TGLS = 3-5]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 163	TRT#: 7	SEX: Male	DAY ON TEST: 727
	DOSE: 126 MG/KG	DISP: Terminal Sacrifice	HISTO: 9901453

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 2-10]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 164

TRT#: 7

SEX: Male

DAY ON TEST: 433

DOSE: 126 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901454

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Epididymis		Fibrosis	Moderate
[Fibrosis TGLS = 2-13]			
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Fibrosis	Focal, Mild
	Bile Duct	Hyperplasia	Minimal
[Clear Cell Focus TGLS = 3-12]			
[Fibrosis TGLS = 4-7]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland	Duct	Dilatation	Minimal
* Nose		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Minimal
* Spleen	Lymph Follic	Atrophy	Mild
* Stomach, Forestomach		Ulcer	Moderate
[Ulcer TGLS = 5-6]			
* Testes	Interstitial Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
[Atrophy TGLS = 1-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 164	TRT#: 7	SEX: Male	DAY ON TEST: 433
	DOSE: 126 MG/KG	DISP: Moribund Sacrifice	HISTO: 9901454

ORGAN AND ACCOUNTABLE SITE STATUS

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 165

TRT#: 7

SEX: Male

DAY ON TEST: 728

DOSE: 126 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901455

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Brain	Hypothalamus	Compression	Moderate
		Hydrocephalus	Moderate
* Heart	Myocardium	Degeneration	Moderate
* Intestine Large, Rectum		Myxomatous Change	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
[Hepatodiaphragmatic Nodule TGLS = 3-12]			
* Lymph Node, Mandibular		Ectasia	Moderate
[Ectasia TGLS = 5-13]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland	Duct	Dilatation	Moderate
		Hyperplasia	Mild
[Dilatation TGLS = 2-12]			
[Hyperplasia TGLS = 2-12]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Preputial Gland		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 165	TRT#: 7	SEX: Male	DAY ON TEST: 728
	DOSE: 126 MG/KG	DISP: Terminal Sacrifice	HISTO: 9901455

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Chronic Active, Minimal
* Spleen	Lymph Follic	Atrophy	Mild
* Stomach, Glandular		Ulcer	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 166

TRT#: 7

SEX: Male

DAY ON TEST: 728

DOSE: 126 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901456

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 5-8]			
* Epididymis		Mesothelioma Malignant	
* Heart	Myocardium	Degeneration	Minimal
* Intestine Large, Rectum		Myxomatous Change	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Clear Cell Focus TGLS = 3-12]			
[Hepatodiaphragmatic Nodule TGLS = 2-6]			
* Lung		Infiltration Cellular	Histiocyte, Moderate
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Minimal
* Pituitary Gland		Angiectasis	Minimal
[Angiectasis TGLS = 4-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 166	TRT#: 7	SEX: Male	DAY ON TEST: 728
	DOSE: 126 MG/KG	DISP: Terminal Sacrifice	HISTO: 9901456

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
		Mesothelioma Malignant	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 167

TRT#: 7

SEX: Male

DAY ON TEST: 728

DOSE: 126 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901457

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
* Heart	Myocardium	Degeneration	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
	[Hepatodiaphragmatic Nodule TGLS = 4-12]		
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
		[Fibroadenoma TGLS = 1-13]	
Mesentery	Fat	Necrosis	Mild
		[Necrosis TGLS = 3-12]	
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Hyperplasia	Lymphohistiocytosis, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 2-10]	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:02

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 167

TRT#: 7

SEX: Male

DAY ON TEST: 728

DOSE: 126 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901457

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 168

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 126 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901458

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Mild
* Nose		Inflammation	Chronic, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland		Inflammation	Chronic, Mild
		[Inflammation TGLS = 2-11]	
* Spleen		Hyperplasia	Lymphohistiocytosis, Moderate
		[Hyperplasia TGLS = 3,4-12+5]	
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 1-10]	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:02

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 169

TRT#: 7

SEX: Male

DAY ON TEST: 669

DOSE: 126 MG/KG

DISP: Natural Death

HISTO: 9901459

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Rectum

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Heart	Myocardium	Degeneration	Mild
* Kidney		Leukemia Mononuclear	
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 3-12]		
	[Leukemia Mononuclear TGLS = 4-6+7]		
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-13]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-5]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-10]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:02

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 169

TRT#: 7

SEX: Male

DAY ON TEST: 669

DOSE: 126 MG/KG

DISP: Natural Death

HISTO: 9901459

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:02

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 170

TRT#: 7

SEX: Male

DAY ON TEST: 689

DOSE: 126 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901460

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Trachea

MISSING

* Lymph Node, Mandibular	* Prostate	* Seminal Vesicle	* Thymus
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Astrocytoma Malignant	
[Astrocytoma Malignant TGLS = 5-9]			
* Heart	Myocardium	Degeneration	Minimal
* Intestine Large, Rectum		Myxomatous Change	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6+7]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-13]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6+12]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-14]			
* Stomach, Glandular	Epithelium	Hyperplasia	Focal, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 170

TRT#: 7

SEX: Male

DAY ON TEST: 689

DOSE: 126 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901460

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Brain Astrocytoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 171

TRT#: 7

SEX: Male

DAY ON TEST: 120

DOSE: 126 MG/KG

DISP: Dosing Accident

HISTO: 9901461

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 3-7]			
* Lung		Hemorrhage	Marked
	Artery	Thrombosis	Marked
[Hemorrhage TGLS = 4-3+4]			
* Seminal Vesicle		Hyperplasia	Mild
* Spleen	Lymph Follic	Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 172

TRT#: 7

SEX: Male

DAY ON TEST: 709

DOSE: 126 MG/KG

DISP: Dosing Accident

HISTO: 9901462

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thymus

OBSERVATIONS

* Heart	Myocardium	Degeneration	Moderate
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
[Eosinophilic Focus TGLS = 1-7]			
* Lung		Hemorrhage	Moderate
[Hemorrhage TGLS = 3-3+4]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Minimal
* Preputial Gland		Inflammation	Chronic, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 173

TRT#: 7

SEX: Male

DAY ON TEST: 728

DOSE: 126 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901463

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Heart	Myocardium	Degeneration	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Intestine Large, Rectum		Erosion	Mild
		Myxomatous Change	Minimal
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Leukemia Mononuclear TGLS = 2-6+7]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-12]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Mammary Gland	Duct	Dilatation	Minimal
		Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 173	TRT#: 7	SEX: Male	DAY ON TEST: 728
	DOSE: 126 MG/KG	DISP: Terminal Sacrifice	HISTO: 9901463

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 5-12]			
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-5]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Adenoma	Multiple
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 174	TRT#: 7	SEX: Male	DAY ON TEST: 708
	DOSE: 126 MG/KG	DISP: Moribund Sacrifice	HISTO: 9901464

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Moderate
* Brain	Hypothalamus	Compression	Moderate
		Hydrocephalus	Marked
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
	Centrilobular	Necrosis	Minimal
* Lung	Alveolus	Inflammation	Acute, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland	Duct	Dilatation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-8]		
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen	Lymph Follic	Atrophy	Moderate
		Hematopoietic Cell Proliferation	Minimal
* Stomach, Glandular		Ulcer	Moderate
	[Ulcer TGLS = 2-6]		
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 174

TRT#: 7

SEX: Male

DAY ON TEST: 708

DOSE: 126 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901464

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH

- Lung Alveolus Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 175

TRT#: 7

SEX: Male

DAY ON TEST: 161

DOSE: 126 MG/KG

DISP: Dosing Accident

HISTO: 9901465

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Lung		Hemorrhage	Marked
[Hemorrhage TGLS = 2-3+4]			
* Preputial Gland		Inflammation	Chronic, Minimal
* Spleen	Lymph Follic	Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 176	TRT#: 7	SEX: Male	DAY ON TEST: 720
	DOSE: 126 MG/KG	DISP: Moribund Sacrifice	HISTO: 9901466

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Heart	Myocardium	Degeneration	Mild
* Intestine Large, Rectum		Myxomatous Change	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
Lymph Node	Mediastinal	Hyperplasia	Plasma Cell, Mild
[Hyperplasia TGLS = 5-12]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland	Duct	Dilatation	Minimal
		Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-12]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-8]			
* Preputial Gland		Adenoma	
[Adenoma TGLS = 1-13]			
* Prostate		Inflammation	Chronic Active, Moderate
* Spleen		Hyperplasia	Lymphohistiocy, Moderate
[Hyperplasia TGLS = 4-5]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 176	TRT#: 7	SEX: Male	DAY ON TEST: 720
	DOSE: 126 MG/KG	DISP: Moribund Sacrifice	HISTO: 9901466

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 2-10]	Bilateral, Interstit Cell	Adenoma
* Thyroid Gland	C Cell	Adenoma
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 177 **TRT#:** 7 **SEX:** Male **DAY ON TEST:** 728
DOSE: 126 MG/KG **DISP:** Terminal Sacrifice **HISTO:** 9901467

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart	Myocardium	Degeneration	Minimal
	Vein	Thrombosis	Mild
* Intestine Large, Rectum		Myxomatous Change	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Minimal
		Leukemia Mononuclear	
		Mixed Cell Focus	
		[Leukemia Mononuclear TGLS = 3-6+7]	
		[Mixed Cell Focus TGLS = 4-6+7]	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 5-8]	
* Preputial Gland		Inflammation	Suppurative, Minimal
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 2-10]	
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 177

TRT#: 7

SEX: Male

DAY ON TEST: 728

DOSE: 126 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901467

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-8]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 178	TRT#: 7	SEX: Male	DAY ON TEST: 661
	DOSE: 126 MG/KG	DISP: Moribund Sacrifice	HISTO: 9901468

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Focal, Mild
* Bone		Osteosarcoma	
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Mild
[Hemorrhage TGLS = 3-6]			
* Mammary Gland		Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Minimal
* Skin	Subcut Tiss	Fibrosarcoma	
[Fibrosarcoma TGLS = 2-12]			
* Spleen	Lymph Follic	Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 178

TRT#: 7

SEX: Male

DAY ON TEST: 661

DOSE: 126 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901468

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibrosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 179

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 126 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901469

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Adrenal Medulla		Hyperplasia	Focal, Mild
* Heart	Myocardium	Degeneration	Mild
* Intestine Large, Rectum		Myxomatous Change	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Minimal
* Spleen	Lymph Follic	Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 180	TRT#: 7	SEX: Male	DAY ON TEST: 484
	DOSE: 126 MG/KG	DISP: Moribund Sacrifice	HISTO: 9901470

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6+7]		
* Lung	Alveolus, Interstitium	Inflammation	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-3+4]		
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6]		
Mesentery	Fat	Necrosis	Moderate
	[Necrosis TGLS = 4-13]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-12]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 180	TRT#: 7	SEX: Male	DAY ON TEST: 484
	DOSE: 126 MG/KG	DISP: Moribund Sacrifice	HISTO: 9901470

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 181

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 126 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901471

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart	Myocardium	Degeneration	Minimal
* Intestine Large, Rectum		Inflammation	Chronic, Mild
		Myxomatous Change	Minimal
		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6+7]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Preputial Gland		Adenoma	
		Inflammation	Chronic, Minimal
	[Adenoma TGLS = 1-12]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-12]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 4-10]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 182

TRT#: 7

SEX: Male

DAY ON TEST: 728

DOSE: 126 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901472

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland	Duct	Dilatation	Minimal
		Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-12]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen	Lymph Follic	Atrophy	Mild
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:02

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 182

TRT#: 7

SEX: Male

DAY ON TEST: 728

DOSE: 126 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901472

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:02

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 183

TRT#: 7

SEX: Male

DAY ON TEST: 728

DOSE: 126 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901473

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6+7]		
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-12]		
	[Leukemia Mononuclear TGLS = 5-13]		
* Mammary Gland	Duct	Dilatation	Mild
* Nose		Inflammation	Chronic, Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-12]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 3-10]		
* Thyroid Gland	C Cell	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 183

TRT#: 7

SEX: Male

DAY ON TEST: 728

DOSE: 126 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901473

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:02

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 184

TRT#: 7

SEX: Male

DAY ON TEST: 679

DOSE: 126 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901474

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Bone Marrow		Fibrosis	Minimal
* Heart	Myocardium	Degeneration	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-14]	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-6]	
Mesentery	Fat	Necrosis	Moderate
		[Necrosis TGLS = 3-13]	
* Pancreas	Acinus	Atrophy	Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Skin	Sebaceous GI	Adenoma	
		[Adenoma TGLS = 5-12]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 184	TRT#: 7	SEX: Male	DAY ON TEST: 679
	DOSE: 126 MG/KG	DISP: Moribund Sacrifice	HISTO: 9901474

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 185

TRT#: 7

SEX: Male

DAY ON TEST: 261

DOSE: 126 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901475

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Intestine Large, Rectum		Inflammation	Chronic, Mild
		Myxomatous Change	Minimal
* Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 1-12]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Spleen	Lymph Follic	Atrophy	Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Focal, Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 186

TRT#: 7

SEX: Male

DAY ON TEST: 237

DOSE: 126 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901476

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Epididymis		Inflammation	Acute, Moderate
* Islets, Pancreatic		Hyperplasia	Minimal
Lymph Node	Mediastinal	Hemorrhage	Mild
[Hemorrhage TGLS = 2-12]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Minimal
Skeletal Muscle		Inflammation	Acute, Marked
Note: Suspect mechanism of death may be rectum trapped in an inguinal hernia.			
[Inflammation TGLS = 1-13]			
* Spleen	Lymph Follic	Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Skeletal Muscle Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:02

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 187

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 126 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901477

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 3-8]			
* Heart	Myocardium	Degeneration	Moderate
* Intestine Large, Rectum		Myxomatous Change	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Minimal
Mesentery		Hemorrhage	Mild
[Hemorrhage TGLS = 1-12]			
* Preputial Gland		Inflammation	Chronic, Minimal
* Spleen	Lymph Follic	Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:02

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 187

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 126 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901477

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 188

TRT#: 7

SEX: Male

DAY ON TEST: 728

DOSE: 126 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901478

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
Coagulating Gland		Inflammation	Chronic, Mild
* Heart	Myocardium	Degeneration	Moderate
* Intestine Large, Rectum		Myxomatous Change	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
* Lung	Alveolus	Emphysema	Focal, Mild
[Emphysema TGLS = 3-3+4]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Granulomatous, Mild
[Inflammation TGLS = 1-12]			
* Nose		Inflammation	Chronic, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Preputial Gland		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen	Lymph Follic	Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 188

TRT#: 7

SEX: Male

DAY ON TEST: 728

DOSE: 126 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901478

ORGAN AND ACCOUNTABLE SITE STATUS

Urethra

Inflammation

Suppurative, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 189

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 126 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901479

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Pancreas	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Brain		Hydrocephalus	Mild
* Heart	Myocardium	Degeneration	Minimal
* Intestine Large, Rectum		Myxomatous Change	Minimal
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 3-5]			
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Minimal
* Lung		Carcinoma	Metastatic (Thyroid Gland)
Lymph Node	Deep Cervical	Carcinoma	Metastatic (Thyroid Gland)
[Carcinoma TGLS = 4-12]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland	Duct	Dilatation	Mild
* Nose		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Preputial Gland		Inflammation	Chronic, Minimal
* Spleen	Lymph Follic	Atrophy	Mild
* Thymus			
Note: There is a metazoan parasite in the fatty tissue around the thymus, or perhaps free in the pleural cavity.			
* Thyroid Gland	C Cell	Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:02

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 189

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 126 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901479

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLS = 2-8]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 190

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 126 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901480

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Intestine Large, Rectum		Myxomatous Change	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
[Basophilic Focus TGLS = 5-14]			
[Clear Cell Focus TGLS = 5-14]			
* Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolus	Inflammation	Chronic Active, Focal, Mild
[Alveolar/Bronchiolar Carcinoma TGLS = 7-3]			
[Inflammation TGLS = 6-3+4]			
Lymph Node	Mediastinal	Ectasia	Minimal
[Ectasia TGLS = 8-13]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Preputial Gland		Inflammation	Chronic, Minimal
* Spleen		Fibrosis	Focal, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 190	TRT#: 7	SEX: Male	DAY ON TEST: 729
	DOSE: 126 MG/KG	DISP: Terminal Sacrifice	HISTO: 9901480

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 3-5]		Hyperplasia	Lymphohistiocy, Mild
[Hyperplasia TGLS = 4-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 191

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 126 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901481

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
Eye		Cataract	Minimal
[Cataract TGLS = 3-14]			
* Heart	Myocardium	Degeneration	Mild
	Atrium	Thrombosis	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Mild
	Alveolar Epith	Metaplasia	Squamous, Minimal
[Inflammation TGLS = 5-3+4]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
Note: Mammary fibroadenoma = slide 10.			
Mesentery		Accessory Spleen	
[Accessory Spleen TGLS = 6-5]			
* Pancreas	Acinus	Atrophy	Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Skin	Sebaceous Gl	Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 191	TRT#: 7	SEX: Male	DAY ON TEST: 727
	DOSE: 126 MG/KG	DISP: Terminal Sacrifice	HISTO: 9901481

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLS = 1-12]	Subcut Tiss	Fibroma	
[Fibroma TGLS = 2-13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 5 = No Corresponding Lesion (NCL)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 192

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 126 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901482

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Hydrocephalus	Minimal
* Heart	Myocardium	Degeneration	Mild
* Intestine Large, Rectum		Inflammation	Chronic, Minimal
		Myxomatous Change	Minimal
		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland	Duct	Dilatation	Minimal
Mesentery	Fat	Inflammation	Granulomatous, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland		Cyst	Marked
	Pars Distalis	Hyperplasia	Focal, Mild
[Cyst TGLS = 2-8]			
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Spleen	Lymph Follic	Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 192	TRT#: 7	SEX: Male	DAY ON TEST: 727
	DOSE: 126 MG/KG	DISP: Terminal Sacrifice	HISTO: 9901482

ORGAN AND ACCOUNTABLE SITE STATUS

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 193

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 126 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901483

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
[Hepatodiaphragmatic Nodule TGLS = 2,3-7+6]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Skin	Sebaceous GI	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 1-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 194

TRT#: 7

SEX: Male

DAY ON TEST: 728

DOSE: 126 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901484

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart	Myocardium	Degeneration	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Intestine Large, Rectum		Myxomatous Change	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Granulomatous, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland	Duct	Dilatation	Mild
* Nose		Inflammation	Chronic, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Spleen	Lymph Follic	Atrophy	Mild
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	Follicle	Adenoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 195

TRT#: 7

SEX: Male

DAY ON TEST: 456

DOSE: 126 MG/KG

DISP: Dosing Accident

HISTO: 9901485

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Esophagus [Hemorrhage TGLS = 7-3]	Periesoph Tiss	Hemorrhage	Moderate
* Heart Larynx [Hemorrhage TGLS = 5-12]	Myocardium	Degeneration Hemorrhage	Minimal Moderate
* Liver	Bile Duct Centrilobular	Hyperplasia Necrosis	Minimal Mild
* Lung [Hemorrhage TGLS = 1,2,3,4-3+4]	Alveolar Epith	Hemorrhage Hyperplasia	Moderate Focal, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Minimal
* Preputial Gland		Inflammation	Chronic, Minimal
* Spleen	Lymph Follic	Atrophy	Marked
* Testes [Adenoma TGLS = 8-10]	Bilateral, Interstit Cell	Adenoma	
* Trachea [Hemorrhage TGLS = 6-3]		Hemorrhage	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:02
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 196

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 126 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901486

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 4-8]			
* Heart	Myocardium	Degeneration	Moderate
* Intestine Large, Colon		Parasite Metazoan	
* Intestine Large, Rectum		Myxomatous Change	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Minimal
[Hepatodiaphragmatic Nodule TGLS = 3-14]			
* Lung	Alveolus	Alveolar/Bronchiolar Adenoma	
		Inflammation	Chronic Active, Focal, Minimal
[Alveolar/Bronchiolar Adenoma TGLS = 5-12]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Minimal
Mesentery	Fat	Inflammation	Granulomatous, Mild
[Inflammation TGLS = 2-13]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 196	TRT#: 7	SEX: Male	DAY ON TEST: 727
	DOSE: 126 MG/KG	DISP: Terminal Sacrifice	HISTO: 9901486

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Chronic Active, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 197

TRT#: 7

SEX: Male

DAY ON TEST: 660

DOSE: 126 MG/KG

DISP: Natural Death

HISTO: 9901487

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Rectum

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart	Myocardium	Degeneration	Moderate
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3,4-6+7]		
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland	Duct	Dilatation	Minimal
		Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 5-8]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-12]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-10]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 197	TRT#: 7	SEX: Male	DAY ON TEST: 660
	DOSE: 126 MG/KG	DISP: Natural Death	HISTO: 9901487

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 198

TRT#: 7

SEX: Male

DAY ON TEST: 604

DOSE: 126 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901488

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 3-11]			
* Heart	Myocardium	Degeneration	Minimal
* Intestine Large, Rectum		Infiltration Cellular	Histiocyte, Minimal
		Myxomatous Change	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Granulomatous, Mild
[Inflammation TGLS = 5-6]			
Mesentery		Mesothelioma Malignant	
	Fat	Necrosis	Mild
[Mesothelioma Malignant TGLS = 2-12]			
* Pituitary Gland		Cyst	Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Glandular		Mineralization	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 198	TRT#: 7	SEX: Male	DAY ON TEST: 604
	DOSE: 126 MG/KG	DISP: Moribund Sacrifice	HISTO: 9901488

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell Tunic	Adenoma Mesothelioma Malignant	
[Adenoma TGLS = 4-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Mesentery Mesothelioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:03

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 199

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 126 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901489

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung	Bile Duct	Hyperplasia	Minimal
	Alveolus	Inflammation	Chronic Active, Focal, Moderate
[Inflammation TGLS = 2-3+4]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen	Lymph Follic	Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	Follicle	Carcinoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 200

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 126 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901490

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Heart	Myocardium	Degeneration	Moderate
* Intestine Large, Rectum		Myxomatous Change	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4,5-6+7+12]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-13]		
* Pituitary Gland		Hyperplasia	Moderate
* Preputial Gland		Inflammation	Chronic, Mild
	[Inflammation TGLS = 2-11]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-13]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-10]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 200

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 126 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901490

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 201

TRT#: 2

SEX: Female

DAY ON TEST: 600

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 9901491

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Heart	Myocardium	Degeneration	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3-7]			
* Lung		Congestion	Mild
[Congestion TGLS = 2-3+4]			
* Mammary Gland	Duct	Dilatation	Mild
		Hyperplasia	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Cyst	Minimal
[Adenoma TGLS = 1-8]			
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 202

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901492

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Heart	Myocardium	Degeneration	Mild
* Intestine Small, Ileum		Parasite Metazoan	
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 1-12]			
* Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
* Mammary Gland	Duct	Dilatation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 2 = No Corresponding Lesion (NCL)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 203

TRT#: 2

SEX: Female

DAY ON TEST: 726

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 9901493

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain	Hypothalamus	Compression	Mild
* Clitoral Gland		Fibrosis	Minimal
* Heart	Myocardium	Degeneration	Mild
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 1-11]			
* Mammary Gland	Duct	Dilatation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 204

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 9901494

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart	Myocardium	Degeneration	Minimal
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 3-6+7]			
[Mixed Cell Focus TGLS = 3-6+7]			
* Lung		Metaplasia	Osseous, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 2-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Salivary Glands	Parotid GI	Hyperplasia	Focal, Minimal
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 205

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901495

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mesenteric
* Nose	* Ovary	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Clitoral Gland		Hyperplasia	Focal, Mild
* Heart	Myocardium	Degeneration	Minimal
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 1-6+7]			
[Mixed Cell Focus TGLS = 1-6+7]			
* Mammary Gland	Duct	Dilatation	Mild
* Pancreas	Acinus	Hyperplasia	Focal, Minimal
* Pituitary Gland		Cyst	Minimal
	Pars Distalis	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 3-11]			
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLS = 2-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 206

TRT#: 2

SEX: Female

DAY ON TEST: 596

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 9901496

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Hydrocephalus	Minimal
* Clitoral Gland		Hyperplasia	Focal, Mild
* Kidney		Nephropathy	Minimal
* Liver		Mixed Cell Focus	
* Mammary Gland	Duct	Dilatation	Minimal
		Hyperplasia	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Spleen	Lymph Follic	Atrophy	Mild
		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 207

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 728
HISTO: 9901497

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Inflammation	Chronic, Minimal
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Leukemia Mononuclear	
* Liver	Bile Duct	Eosinophilic Focus	
		Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6+7]			
* Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
		Leukemia Mononuclear	
Note: [Hyperplasia] TGLs = 3-11			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
* Pituitary Gland		Cyst	Minimal
	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-11]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 208

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901498

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Heart	Myocardium	Degeneration	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Clear Cell Focus TGLS = 3-12]			
* Lung		Leukemia Mononuclear	
* Mammary Gland	Duct	Dilatation	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-11]			
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 209

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901499

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Nose	* Ovary
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Minimal
[Basophilic Focus TGLS = 1-6+7]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2,3,4-11+13+14]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 6-11]			
* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland		Adenoma	
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
[Hyperplasia TGLS = 5-12]			
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
Tongue	Epithelium	Hyperplasia	Squamous, Focal, Moderate
[Hyperplasia TGLS = 7-14]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 210

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 9901500

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Moderate
* Heart	Myocardium	Degeneration	Mild
* Kidney		Infarct	Minimal
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 2-7+12]			
[Mixed Cell Focus TGLS = 2-7+12]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland		Cyst	Minimal
	Pars Distalis	Hyperplasia	Focal, Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:03

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 211

TRT#: 2

SEX: Female

DAY ON TEST: 651

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 9901501

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Rectum

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6+7]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,5-11+10]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-11]			

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 212

TRT#: 2

SEX: Female

DAY ON TEST: 596

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901502

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Bone Marrow		Leukemia Mononuclear	
* Brain	Cerebrum	Necrosis	Focal, Mild
* Heart	Myocardium	Inflammation	Chronic, Focal, Moderate
* Kidney		Infarct	Minimal
* Liver	Centrilobular	Fatty Change	Marked
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Fatty Change TGLS = 1,2-6+7+11]			
* Lung		Leukemia Mononuclear	
* Mammary Gland	Duct	Dilatation	Mild
		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Cyst	Mild
[Adenoma TGLS = 4-8]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Heart Myocardium Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:03

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 213

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901503

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
[Eosinophilic Focus TGLS = 2-7]			
[Mixed Cell Focus TGLS = 2-11]			
* Lung	Alveolar Epith	Hyperplasia	Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Pituitary Gland		Cyst	Minimal
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:03

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 214

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901504

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
[Clear Cell Focus TGLS = 2-7]			
[Mixed Cell Focus TGLS = 2-6+7]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
* Mammary Gland	Duct	Dilatation	Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland		Angiectasis	Mild
[Angiectasis TGLS = 3-8]			
* Skin		Basal Cell Adenoma	
[Basal Cell Adenoma TGLS = 1-11]			
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 215

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901505

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* 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	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Clitoral Gland		Inflammation	Chronic, Minimal
* Heart	Myocardium	Degeneration	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 2-6+7+11]			
[Clear Cell Focus TGLS = 2-11]			
[Mixed Cell Focus TGLS = 2-7+11]			
* Mammary Gland	Duct	Dilatation	Minimal
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 1-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 216

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901506

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	Lymph Node
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Focal, Moderate
* Heart	Myocardium	Degeneration	Minimal
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Minimal
[Basophilic Focus TGLS = 2-6+7]			
* Mammary Gland	Duct	Dilatation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Cyst	Mild
[Adenoma TGLS = 4-8]			
* Spleen	Lymph Follic	Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 3 = No Corresponding Lesion (NCL)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 217

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 9901507

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
[Basophilic Focus TGLS = 1-11]			
* Lung		Inflammation	Granulomatous, Multifocal, Mild
* Mammary Gland	Duct	Dilatation	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLS = 2-8]			
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 218

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Natural Death

DAY ON TEST: 719
HISTO: 9901508

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart	Myocardium	Degeneration	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Minimal
	[Basophilic Focus TGLS = 1-6+7]		
* Lung		Hemorrhage	Mild
	[Hemorrhage TGLS = 2-3+4]		
* Mammary Gland	Duct	Dilatation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Cyst	Minimal
	[Adenoma TGLS = 3-8]		
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 219

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901509

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Adrenal Medulla		Hyperplasia	Focal, Mild
* Clitoral Gland		Hyperplasia	Focal, Mild
		Inflammation	Chronic, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Granulomatous, Minimal
[Hepatodiaphragmatic Nodule TGLS = 2-6]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-11]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 220

TRT#: 2

SEX: Female

DAY ON TEST: 406

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901510

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Liver		Inflammation	Granulomatous, Minimal
		Leiomyosarcoma	Metastatic (Uterus)
[Leiomyosarcoma TGLS = 2,3,4,5,6,7,8,9,10,11-12+13+14+15+6+7]			
* Lung		Leiomyosarcoma	Metastatic (Uterus)
[Leiomyosarcoma TGLS = 12,13-3+4+16]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus	Epithel Cell	Hyperplasia	Mild
* Uterus		Leiomyosarcoma	
[Leiomyosarcoma TGLS = 1-11]			

PRIMARY CAUSE OF DEATH

- Uterus Leiomyosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 221

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 9901511

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart	Myocardium	Degeneration Leukemia Mononuclear	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus Hepatodiaphragmatic Nodule Leukemia Mononuclear	
		[Hepatodiaphragmatic Nodule TGLS = 5-6]	
		[Leukemia Mononuclear TGLS = 4-6+7]	
* Lung		Leukemia Mononuclear	
* Mammary Gland	Duct	Dilatation	Moderate
		[Dilatation TGLS = 1,2-12+11]	
* Nose		Inflammation	Chronic, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Spleen		Leukemia Mononuclear Necrosis	Focal, Moderate
		[Leukemia Mononuclear TGLS = 3-11]	
		[Necrosis TGLS = 3-11]	
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:03

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 221

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901511

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 222

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901512

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart	Myocardium	Degeneration	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 2-6+7]			
[Clear Cell Focus TGLS = 2-6+7]			
[Mixed Cell Focus TGLS = 2-6+7]			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 3-11]			
* Mammary Gland	Duct	Dilatation	Mild
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = 1-11]			
* Nose		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Cyst	Minimal
[Adenoma TGLS = 4-8]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:03

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 222

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901512

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 223

TRT#: 2

SEX: Female

DAY ON TEST: 629

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901513

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia Leukemia Mononuclear	Focal, Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart	Myocardium	Degeneration Leukemia Mononuclear	Minimal
* Liver	Bile Duct	Hyperplasia Leukemia Mononuclear	Mild
	[Leukemia Mononuclear TGLS = 3-6+7]		
* Lung		Leukemia Mononuclear	
* Mammary Gland	Duct	Dilatation	Mild
* Nose		Inflammation	Chronic, Minimal
* Ovary		Leukemia Mononuclear	
* Pituitary Gland		Cyst	Mild
	[Cyst TGLS = 4-8]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-5]		
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLS = 2-11]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:03

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 224

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901514

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Hydrocephalus	Mild
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Granulomatous, Minimal
* Mammary Gland	Duct	Dilatation	Moderate
		Hyperplasia	Focal, Marked
		[Dilatation TGLS = 1-11]	
		[Hyperplasia TGLS = 1-11]	
* Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 2-8]	
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 225

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901515

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Clitoral Gland		Cyst	Mild
* Heart	Myocardium	Degeneration	Minimal
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 1-6+7+11]			
[Mixed Cell Focus TGLS = 1-6+7+11]			
* Mammary Gland	Duct	Dilatation	Mild
* Pituitary Gland		Cyst	Minimal
* Spleen	Lymph Follic	Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 226

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901516

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Focal, Moderate
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 3-6+7]			
[Mixed Cell Focus TGLS = 3-7]			
* Mammary Gland	Duct	Dilatation	Mild
		Hyperplasia	Focal, Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 1-11]			
* Pituitary Gland		Cyst	Mild
	Pars Distalis	Hyperplasia	Focal, Moderate
[Hyperplasia TGLS = 2-8]			
* Spleen	Lymph Follic	Atrophy	Moderate
		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 227

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 9901517

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland		Cyst Inflammation	Mild Suppurative, Mild
[Cyst TGLS = 3-10] [Inflammation TGLS = 3-10]			
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia Inflammation Mixed Cell Focus	Minimal Granulomatous, Minimal
[Basophilic Focus TGLS = 1,2-6+7+12] [Mixed Cell Focus TGLS = 1-6]			
Lymph Node	Deep Cervical	Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 4-11]			
* Mammary Gland	Duct	Dilatation	Minimal
* Pituitary Gland		Cyst	Minimal
* Spleen	Lymph Follic	Atrophy Hematopoietic Cell Proliferation	Mild Minimal
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLS = 5-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:03

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 227

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901517

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 228

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901518

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Clitoral Gland		Inflammation	Chronic, Minimal
* Heart	Myocardium	Degeneration	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Granulomatous, Mild
[Hepatodiaphragmatic Nodule TGLS = 3-6]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Cyst	Minimal
[Adenoma TGLS = 2-8]			
* Salivary Glands	Parotid GI	Atrophy	Focal, Minimal
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Zymbal's Gland		Adenoma	
[Adenoma TGLS = 4-11]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 229

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Natural Death

DAY ON TEST: 722
HISTO: 9901519

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Kidney
* Lung	Lymph Node	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Brain		Hydrocephalus	Moderate
* Heart	Myocardium	Degeneration	Minimal
* Intestine Small, Jejunum	Peyers Patch	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 3-12]			
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
* Mammary Gland	Duct	Dilatation	Mild
		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]		Cyst	Minimal
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:03

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 229

TRT#: 2

SEX: Female

DAY ON TEST: 722

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 9901519

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: TGLs 1,4 = No Corresponding Lesion (NCL)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 230

TRT#: 2

SEX: Female

DAY ON TEST: 191

DOSE: 0 MG/KG

DISP: Dosing Accident

HISTO: 9901520

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	[Hepatodiaphragmatic Nodule TGLS = 2-11]		
* Lung		Congestion	Mild
	[Congestion TGLS = 3-3+4]		
* Ovary		Cyst	Minimal
	[Cyst TGLS = 1-10]		
* Spleen	Lymph Follic	Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 231

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Natural Death

DAY ON TEST: 559
HISTO: 9901521

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular * Thymus

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Moderate
* Heart	Myocardium	Degeneration	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Granulomatous, Minimal
* Mammary Gland	Duct	Dilatation	Minimal
Mesentery		Liposarcoma	
[Liposarcoma TGLS = 3-11]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 1-10]			
* Spleen	Lymph Follic	Atrophy	Mild

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 232

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901522

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart	Myocardium	Degeneration	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatocellular Carcinoma	
		Hepatodiaphragmatic Nodule	
		Inflammation	Granulomatous, Minimal
[Basophilic Focus TGLS = 2-6]			
[Hepatocellular Carcinoma TGLS = 1-11]			
[Hepatodiaphragmatic Nodule TGLS = 3-7]			
* Mammary Gland	Duct	Dilatation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 233

TRT#: 2

SEX: Female

DAY ON TEST: 621

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 9901523

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart	Myocardium	Degeneration	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Granulomatous, Minimal
		Fibroadenoma	
* Mammary Gland			
[Fibroadenoma TGLS = 2-12]			
* Skin	Subcut Tiss	Lipoma	
[Lipoma TGLS = 1-11]			
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 234

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 673
HISTO: 9901524

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain	Hypothalamus	Compression	Minimal
		Hydrocephalus	Minimal
* Clitoral Gland		Cyst	Minimal
* Heart	Myocardium	Degeneration	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	[Basophilic Focus TGLS = 3-6+7]		
	[Hepatodiaphragmatic Nodule TGLS = 2-12]		
* Mammary Gland	Duct	Dilatation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 4-8]		
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLS = 1-11]		
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 235

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901525

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Malignant	
	[Pheochromocytoma Malignant TGLS = 5-12]		
* Clitoral Gland		Adenoma	
	[Adenoma TGLS = 2-13]		
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Granulomatous, Minimal
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 4-11]		
	[Leukemia Mononuclear TGLS = 3-6+7]		
* Lung		Leukemia Mononuclear	
		Metaplasia	Osseous, Minimal
		Pheochromocytoma Malignant	Metastatic (Adrenal Medulla)
		Fibroadenoma	
* Mammary Gland			
	[Fibroadenoma TGLS = 1-14]		
* Pituitary Gland		Cyst	Minimal
	Pars Distalis	Hyperplasia	Focal, Minimal
* Spleen	Lymph Follic	Atrophy	Moderate
		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:03

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 235

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901525

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 236

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901526

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Clitoral Gland		Hyperplasia	Focal, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 1-6+7]			
[Mixed Cell Focus TGLS = 1-6+7]			
* Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
* Mammary Gland	Duct	Dilatation	Minimal
* Pituitary Gland		Cyst	Minimal
	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	Follicle	Carcinoma	
[Carcinoma TGLS = 2-11]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 237

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Natural Death

DAY ON TEST: 690
HISTO: 9901527

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular	* Thymus
--------------------------	----------

AUTO PRECLUDES DIAG.

* Intestine Large, Rectum

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Brain	Hypothalamus	Compression	Marked
		Hydrocephalus	Moderate
* Heart	Myocardium	Degeneration	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Fibroadenoma	
* Mammary Gland			
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-12]			
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 238

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Natural Death

DAY ON TEST: 427
HISTO: 9901528

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* 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		

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Rectum

OBSERVATIONS

* Heart	Myocardium	Degeneration	Minimal
* Liver		Hepatodiaphragmatic Nodule Inflammation	Granulomatous, Minimal
	[Hepatodiaphragmatic Nodule TGLS = 2-11]		
* Lung		Congestion	Mild
	[Congestion TGLS = 3-3+4]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLS = 1-12]		
* Pituitary Gland		Cyst Hemorrhage	Minimal Mild
	[Hemorrhage TGLS = 4-8]		
* Spleen	Lymph Follic	Atrophy	Mild

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 239

TRT#: 2

SEX: Female

DAY ON TEST: 678

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901529

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Minimal
* Heart	Myocardium	Degeneration	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Fibroadenoma	
* Mammary Gland			
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Cyst	Minimal
[Adenoma TGLS = 2-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 240

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901530

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Heart	Myocardium	Degeneration	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 1-6+7]			
[Mixed Cell Focus TGLS = 1-6+7]			
* Mammary Gland	Duct	Dilatation	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
[Hyperplasia TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 241

TRT#: 2

SEX: Female

DAY ON TEST: 707

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 9901531

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain	Hypothalamus	Compression	Moderate
		Hydrocephalus	Moderate
* Heart	Myocardium	Degeneration	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
	[Basophilic Focus TGLS = 3-6]		
* Lung		Hemorrhage	Moderate
* Mammary Gland		Carcinoma	
	[Carcinoma TGLS = 1,2-11+12]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 4-8]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 242

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901532

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
[Basophilic Focus TGLS = 2-6+7]			
[Eosinophilic Focus TGLS = 2-6+7]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,3-11+12]			
* Nose		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Spleen	Lymph Follic	Atrophy	Minimal
		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 243

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901533

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland		Cyst	Mild
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 2-6+7]			
[Mixed Cell Focus TGLS = 2-6+7]			
* Mammary Gland	Duct	Dilatation	Minimal
* Ovary		Cyst	Minimal
[Cyst TGLS = 1-10]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
[Hyperplasia TGLS = 3-8]			
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 244

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Natural Death

DAY ON TEST: 509
HISTO: 9901534

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Rectum

OBSERVATIONS

* Heart	Myocardium	Degeneration	Minimal
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Minimal
[Basophilic Focus TGLS = 1-7]			
* Lung	Alveolus	Congestion	Mild
		Emphysema	Focal, Mild
[Congestion TGLS = 3-3+4]			
[Emphysema TGLS = 2-4]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Spleen	Lymph Follic	Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:03

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 245

TRT#: 2

DOSE: 0 MG/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 9901535

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Ovary
* Parathyroid Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 3-8]			
* Brain		Hydrocephalus	Moderate
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 2-6+7]			
[Eosinophilic Focus TGLS = 2-6+7]			
[Mixed Cell Focus TGLS = 2-6+7]			
Lymph Node	Mediastinal	Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 4-12]			
* Mammary Gland	Duct	Dilatation	Moderate
		Hyperplasia	Focal, Minimal
[Dilatation TGLS = 1-11]			
[Hyperplasia TGLS = 1-11]			
* Nose		Inflammation	Chronic, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 245	TRT#: 2 DOSE: 0 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: 9901535
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ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 5-8]

* Salivary Glands	Parotid GI	Atrophy	Focal, Minimal
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Marked
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 246

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Natural Death

DAY ON TEST: 601
HISTO: 9901536

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-11]			
* Heart	Myocardium	Degeneration	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Granulomatous, Minimal
[Hepatodiaphragmatic Nodule TGLS = 3-6]			
* Lung		Congestion	Mild
[Congestion TGLS = 2-3+4]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 247

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 9901537

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* 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		Adenoma	
		Inflammation	Chronic, Minimal
[Adenoma TGLS = 1-11]			
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Minimal
* Mammary Gland	Duct	Dilatation	Mild
* Nose		Inflammation	Chronic, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 248

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901538

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* 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, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Heart	Myocardium	Degeneration	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 2-6+7]			
[Mixed Cell Focus TGLS = 2-6+7]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-12]			
* Pancreas		Adenoma	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 248

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901538

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:03

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 249

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901539

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Liver		Basophilic Focus Eosinophilic Focus Mixed Cell Focus	
[Basophilic Focus TGLS = 3-6+7]			
[Eosinophilic Focus TGLS = 3-6+7]			
[Mixed Cell Focus TGLS = 3-6+7]			
Lymph Node	Mediastinal	Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 4-11]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-12+13]			
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = 6-14]			
* Pituitary Gland		Cyst	Minimal
	Pars Distalis	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 5-8]			
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 250

TRT#: 2

SEX: Female

DAY ON TEST: 462

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901540

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Brain	Hypothalamus	Compression	Marked
		Hydrocephalus	Marked
[Hydrocephalus TGLS = 2-9]			
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Granulomatous, Minimal
* Mammary Gland	Duct	Dilatation	Mild
		Hyperplasia	Focal, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 251

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 28 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901541

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Ovary
* Pancreas	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 2,3-7+11]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland	Duct	Dilatation	Minimal
* Pituitary Gland		Cyst	Mild
[Cyst TGLS = 4-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-11]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 252

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 28 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901542

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart	Myocardium	Degeneration	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 2,4-12+7]			
[Mixed Cell Focus TGLS = 2-12]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 3-8]			
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 253 **TRT#:** 4 **SEX:** Female **DAY ON TEST:** 729
DOSE: 28 MG/KG **DISP:** Terminal Sacrifice **HISTO:** 9901543

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular * Thymus

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Heart	Myocardium	Degeneration	Mild
* Kidney		Leukemia Mononuclear	
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-6+7]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-12]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-11]			
* Nose		Inflammation	Chronic, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-5]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 254 **TRT#:** 4 **SEX:** Female **DAY ON TEST:** 714
DOSE: 28 MG/KG **DISP:** Moribund Sacrifice **HISTO:** 9901544

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Hyperplasia	Focal, Mild
* Heart	Myocardium	Degeneration	Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-12]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-11]			
* Mammary Gland	Duct	Dilatation	Mild
		Hyperplasia	Focal, Mild
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Cyst	Mild
[Adenoma TGLS = 4-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-5]			
* Thyroid Gland	C Cell	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:03

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 254

TRT#: 4

SEX: Female

DAY ON TEST: 714

DOSE: 28 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901544

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 255

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 28 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901545

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Mild
[Inflammation TGLS = 3-3+4]			
* Mammary Gland	Duct	Dilatation	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Cyst	Minimal
[Adenoma TGLS = 2-8]			
* Spleen	Lymph Follic	Atrophy	Minimal
		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 256

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 28 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901546

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia Leukemia Mononuclear	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Leukemia Mononuclear	
* Liver		Basophilic Focus Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6+7]			
* Lung	Alveolar Epith	Hyperplasia Leukemia Mononuclear	Focal, Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-11]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Ovary		Cyst	Mild
[Cyst TGLS = 2-10]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-5]			
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 256

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 28 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901546

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 257

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 28 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901547

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart	Myocardium	Degeneration	Minimal
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
	[Basophilic Focus TGLS = 2-6+7]		
	[Mixed Cell Focus TGLS = 2-6+7]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-11]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 258

TRT#: 4

SEX: Female

DAY ON TEST: 670

DOSE: 28 MG/KG

DISP: Natural Death

HISTO: 9901548

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland	* Thymus	
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AUTO PRECLUDES DIAG.

* Intestine Large, Rectum

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart	Myocardium	Degeneration	Mild
	Atrium	Thrombosis	Marked
	[Thrombosis TGLS = 5-7]		
* Liver	Centrilobular	Fatty Change	Marked
		Hepatodiaphragmatic Nodule	
	[Fatty Change TGLS = 3-6+7]		
	[Hepatodiaphragmatic Nodule TGLS = 2-12]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-11]		
* Pituitary Gland		Cyst	Minimal
* Spleen	Lymph Follic	Atrophy	Marked

PRIMARY CAUSE OF DEATH

- Heart Atrium Thrombosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 259

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 28 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901549

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 2-6+7]			
* Lung	Alveolar Epith Alveolus	Hyperplasia Inflammation	Focal, Minimal Chronic Active, Focal, Minimal
Lymph Node	Mediastinal	Ectasia	Mild
[Ectasia TGLS = 4-11]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 260

TRT#: 4

SEX: Female

DAY ON TEST: 716

DOSE: 28 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901550

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart	Myocardium	Degeneration	Minimal
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Minimal
Lymph Node	Mediastinal	Hemorrhage	Mild
[Hemorrhage TGLS = 3-11]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Pituitary Gland		Cyst	Minimal
	Pars Distalis	Hyperplasia	Focal, Moderate
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Marked
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:03

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 261

TRT#: 4

SEX: Female

DAY ON TEST: 622

DOSE: 28 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901551

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone		Osteopetrosis	Moderate
* Kidney		Inflammation	Suppurative, Focal, Mild
		Leukemia Mononuclear	
		Nephropathy	Minimal
[Inflammation TGLS = 8,9-5+12]			
* Liver	Centrilobular	Fatty Change	Moderate
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Regeneration	Moderate
[Leukemia Mononuclear TGLS = 5-6+7]			
* Lung	Alveolus	Inflammation	Acute, Mild
	Alveolus	Inflammation	Chronic Active, Focal, Mild
		Leukemia Mononuclear	
[Inflammation TGLS = 7-3+4]			
* Lymph Node, Mandibular		Infiltration Cellular	Histiocyte, Moderate
		Necrosis	Lymphoid, Moderate
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-11]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 3-10]			
* Pituitary Gland		Angiectasis	Mild
		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 261	TRT#: 4	SEX: Female	DAY ON TEST: 622
	DOSE: 28 MG/KG	DISP: Moribund Sacrifice	HISTO: 9901551

ORGAN AND ACCOUNTABLE SITE STATUS

[Angiectasis TGLS = 1-8]		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-5]			
* Stomach, Glandular		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Lung Alveolus Inflammation;Lung Alveolus Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 263

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 28 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901553

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Clitoral Gland		Inflammation	Chronic, Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Granulomatous, Minimal
[Basophilic Focus TGLS = 4-6+7+13]			
[Clear Cell Focus TGLS = 4-6+7+13]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
* Mammary Gland	Duct	Dilatation	Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Skin	Subcut Tiss	Lipoma	
[Lipoma TGLS = 1-11]			
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 264

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 28 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901554

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

Eye [Degeneration TGLS = 3-11]		Degeneration	Moderate
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver [Basophilic Focus TGLS = 2-6+7]		Basophilic Focus	
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
* Mammary Gland [Fibroadenoma TGLS = 1-12]		Fibroadenoma	
* Pituitary Gland [Adenoma TGLS = 4-8]	Pars Distalis	Adenoma	
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:03

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 265

TRT#: 4

SEX: Female

DAY ON TEST: 715

DOSE: 28 MG/KG

DISP: Natural Death

HISTO: 9901555

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular	* Thymus
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AUTO PRECLUDES DIAG.

* Intestine Large, Rectum

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Heart	Myocardium	Degeneration	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6+7]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mediastinal	Necrosis	Lymphoid, Mild
	[Leukemia Mononuclear TGLS = 5-12]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-13]		
* Pituitary Gland		Angiectasis	Moderate
	[Angiectasis TGLS = 3-8]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-11]		
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 266

TRT#: 4

SEX: Female

DAY ON TEST: 539

DOSE: 28 MG/KG

DISP: Natural Death

HISTO: 9901556

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Liver		Inflammation	Granulomatous, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 1-8]			
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 267

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 28 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901557

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Brain		Hydrocephalus	Moderate
* Heart	Myocardium	Degeneration	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Minimal
[Basophilic Focus TGLS = 3-6+7]			
Lymph Node	Deep Cervical	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 2-11]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Cyst	Moderate
[Adenoma TGLS = 4-8]			
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:03

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 268

TRT#: 4

SEX: Female

DAY ON TEST: 589

DOSE: 28 MG/KG

DISP: Natural Death

HISTO: 9901558

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Brain | * Clitoral Gland | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Trachea | * Urinary Bladder |
| * Uterus | | | |

AUTO PRECLUDES DIAG.

- * Intestine Large, Rectum

OBSERVATIONS

- | | | | |
|--------------------------|--|----------------------------|--------------------------------|
| * Bone Marrow | | Leukemia Mononuclear | |
| * Heart | Myocardium | Degeneration | Mild |
| | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| * Liver | | Hepatodiaphragmatic Nodule | |
| | | Leukemia Mononuclear | |
| | [Hepatodiaphragmatic Nodule TGLS = 4-13] | | |
| | [Leukemia Mononuclear TGLS = 3-6+7] | | |
| * Lung | Alveolus | Inflammation | Chronic Active, Focal, Minimal |
| | | Leukemia Mononuclear | |
| Lymph Node | Mediastinal | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 6-14] | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 5-12] | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 2-11] | | |
| * Mammary Gland | Duct | Dilatation | Minimal |
| * Spleen | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 1-5] | | |
| * Thymus | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:03

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 268

TRT#: 4

SEX: Female

DAY ON TEST: 589

DOSE: 28 MG/KG

DISP: Natural Death

HISTO: 9901558

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:03

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 269

TRT#: 4

SEX: Female

DAY ON TEST: 333

DOSE: 28 MG/KG

DISP: Natural Death

HISTO: 9901559

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Bone Marrow

* Heart

* Intestine Small, Ileum

* Lymph Node, Mesenteric

* Pancreas

* Skin

* Thyroid Gland

* Adrenal Medulla

* Brain

* Intestine Large, Cecum

* Intestine Small, Jejunum

* Mammary Gland

* Parathyroid Gland

* Stomach, Forestomach

* Trachea

Blood Vessel

* Clitoral Gland

* Intestine Large, Colon

* Islets, Pancreatic

* Nose

* Pituitary Gland

* Stomach, Glandular

* Urinary Bladder

* Bone

* Esophagus

* Intestine Small, Duodenum

* Kidney

* Ovary

* Salivary Glands

* Thymus

* Uterus

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Rectum

OBSERVATIONS

* Liver

Basophilic Focus

Inflammation

Granulomatous, Minimal

* Lung

Congestion

Moderate

Hemorrhage

Mild

[Congestion TGLS = 1-3+4]

[Hemorrhage TGLS = 1-3+4]

* Spleen

Lymph Follic

Atrophy

Mild

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 270

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 28 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901560

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Leukemia Mononuclear	
		Fibroadenoma	
* Mammary Gland [Fibroadenoma TGLS = 1-11]			
* Pituitary Gland		Cyst	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen	Lymph Follic	Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 271

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 28 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901561

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Intestine Large, Rectum		Parasite Metazoan	
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
[Basophilic Focus TGLS = 2-6+7]			
[Clear Cell Focus TGLS = 2-6+7]			
[Hepatodiaphragmatic Nodule TGLS = 3-11]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Mild
[Inflammation TGLS = 1-3+4]			
Lymph Node	Mediastinal	Hemorrhage	Minimal
	Mediastinal	Hyperplasia	Lymphoid, Mild
[Hemorrhage TGLS = 4-12]			
[Hyperplasia TGLS = 4-12]			
* Mammary Gland	Duct	Dilatation	Minimal
Oral Mucosa	Pharyngeal	Hyperplasia	Squamous, Marked
* Pituitary Gland		Cyst	Minimal
	Pars Distalis	Hyperplasia	Focal, Minimal
* Spleen	Lymph Follic	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 271	TRT#: 4	SEX: Female	DAY ON TEST: 730
	DOSE: 28 MG/KG	DISP: Terminal Sacrifice	HISTO: 9901561

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular		Mineralization	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 272

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 28 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901562

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart	Myocardium	Degeneration	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		[Basophilic Focus TGLS = 1-6+7]	
		[Eosinophilic Focus TGLS = 1-6+7]	
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
Lymph Node	Mediastinal	Ectasia	Mild
		[Ectasia TGLS = 2-11]	
* Mammary Gland		Fibroadenoma	
		[Fibroadenoma TGLS = 3-12]	
* Ovary		Cyst	Mild
		[Cyst TGLS = 4-10]	
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 273	TRT#: 4	SEX: Female	DAY ON TEST: 728
	DOSE: 28 MG/KG	DISP: Terminal Sacrifice	HISTO: 9901563

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart	Myocardium	Degeneration	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Granulomatous, Mild
[Basophilic Focus TGLS = 1-6+7]			
[Clear Cell Focus TGLS = 1-6+7]			
* Lung		Alveolar/Bronchiolar Carcinoma	
Lymph Node	Mediastinal	Hemorrhage	Mild
[Hemorrhage TGLS = 2-11]			
* Mammary Gland	Duct	Dilatation	Mild
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 4-12]			
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Cyst	Minimal
[Adenoma TGLS = 3-8]			
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:03

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 273

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 28 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901563

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:03

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 274

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 28 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901564

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Brain		Hydrocephalus	Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5,6-11+6+7]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-6]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2,4-13+14+12]			
* Pancreas	Acinus	Atrophy	Mild
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
		Cyst	Minimal
		Leukemia Mononuclear	
[Adenoma TGLS = 7-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-11]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 275 **TRT#:** 4 **SEX:** Female **DAY ON TEST:** 730
DOSE: 28 MG/KG **DISP:** Terminal Sacrifice **HISTO:** 9901565

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Thymus

OBSERVATIONS

* Brain	Hypothalamus	Compression Hydrocephalus	Moderate Mild
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus Inflammation	Granulomatous, Minimal
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Spleen	Lymph Follic	Atrophy Hematopoietic Cell Proliferation	Mild Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 276

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 28 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901566

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Mammary Gland	* Nose	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart	Myocardium	Degeneration	Minimal
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Minimal
[Basophilic Focus TGLS = 2-6+7]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Mild
[Inflammation TGLS = 3-3+4+11]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Ovary		Cyst	Moderate
[Cyst TGLS = 1-11]			
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Cyst	Mild
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 277

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 28 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901567

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	* Lung
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart	Myocardium	Degeneration	Minimal
* Islets, Pancreatic		Adenoma	
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
	[Hepatodiaphragmatic Nodule TGLS = 1-11]		
* Mammary Gland	Duct	Dilatation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Cyst	Minimal
	[Adenoma TGLS = 2-8]		
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Trachea	Peritrach Tiss	Hemorrhage	Minimal
		Inflammation	Chronic, Mild
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 278

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 28 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901568

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mesenteric	* Nose	* Ovary
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
[Basophilic Focus TGLS = 2-6+7+12]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Thyroid Gland	C Cell	Adenoma	Multiple

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 279

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 28 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901569

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Minimal
* Heart	Myocardium	Degeneration	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		[Basophilic Focus TGLS = 1-6+7+11]	
		[Eosinophilic Focus TGLS = 1-6+7+11]	
* Mammary Gland	Duct	Dilatation	Minimal
		Hyperplasia	Focal, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Cyst	Mild
	Pars Distalis	Hyperplasia	Focal, Minimal
		[Cyst TGLS = 2-8]	
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:03

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 280

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 28 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901570

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
		[Basophilic Focus TGLS = 2-6+7+11]	
		[Eosinophilic Focus TGLS = 2-11]	
		[Mixed Cell Focus TGLS = 2-7]	
* Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
	Alveolus	Inflammation	Chronic Active, Focal, Minimal
* Mammary Gland	Duct	Dilatation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		[Hyperplasia TGLS = 1-10]	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 281

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 28 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901571

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Minimal
* Heart	Myocardium	Degeneration	Minimal
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 4-6+7]			
[Mixed Cell Focus TGLS = 4-6+7]			
Lymph Node			
Note: Normal Lymph Node is Mediastinal.			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-13]			
* Ovary		Granulosa Cell Tumor Malignant	
[Granulosa Cell Tumor Malignant TGLS = 3-10]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Cyst	Minimal
[Adenoma TGLS = 6-8]			
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus		Polyp Stromal	
		Ulcer	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 281

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 28 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901571

ORGAN AND ACCOUNTABLE SITE STATUS

[Polyp Stromal TGLS = 2-11]

[Ulcer TGLS = 2-11]

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 5 = No Corresponding Lesion (NCL)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 282

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 28 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901572

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland [Cyst TGLS = 2-10]		Cyst	Moderate
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Granulomatous, Minimal
[Basophilic Focus TGLS = 3-6+7]			
[Eosinophilic Focus TGLS = 3-6+7]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
* Mammary Gland [Fibroadenoma TGLS = 1-11]		Fibroadenoma	
* Pituitary Gland [Adenoma TGLS = 4-8]	Pars Distalis	Adenoma	
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 283

TRT#: 4

SEX: Female

DAY ON TEST: 678

DOSE: 28 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901573

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Clitoral Gland		Hyperplasia	Focal, Minimal
		Inflammation	Chronic, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
[Hepatodiaphragmatic Nodule TGLS = 2-12]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:03

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 284

TRT#: 4

SEX: Female

DAY ON TEST: 653

DOSE: 28 MG/KG

DISP: Natural Death

HISTO: 9901574

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Rectum

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-9]			
* Clitoral Gland		Inflammation	Chronic, Mild
Eye		Cataract	Moderate
[Cataract TGLS = 1-11]			
* Heart	Myocardium	Degeneration	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3,4-6+7]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-13]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-14]			
* Mammary Gland	Duct	Dilatation	Minimal
* Nose		Inflammation	Chronic, Minimal
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 284	TRT#: 4	SEX: Female	DAY ON TEST: 653
	DOSE: 28 MG/KG	DISP: Natural Death	HISTO: 9901574

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 2-12]		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 285

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 28 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901575

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland [Hyperplasia TGLS = 1-10]		Hyperplasia	Focal, Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Liver [Basophilic Focus TGLS = 2-6+7+11]		Basophilic Focus Inflammation	Granulomatous, Minimal
* Lung [Inflammation TGLS = 3-3+4]	Alveolar Epith Alveolus	Hyperplasia Inflammation	Focal, Minimal Chronic Active, Focal, Mild
* Mammary Gland	Duct	Dilatation	Minimal
* Pituitary Gland [Hyperplasia TGLS = 4-8]	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen	Lymph Follic	Atrophy Hyperplasia	Mild Lymphohistiocytosis, Mild
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 286

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 28 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901576

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Inflammation	Chronic, Minimal
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6+7]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-12]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-13]		
* Pituitary Gland	Pars Distalis	Adenoma	
		Cyst	Minimal
	[Adenoma TGLS = 6-8]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2,3-11]		
* Stomach, Glandular	Epithelium	Ectasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:03

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 286

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 28 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901576

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:03

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 287

TRT#: 4

SEX: Female

DAY ON TEST: 510

DOSE: 28 MG/KG

DISP: Natural Death

HISTO: 9901577

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Fibrosis	Minimal
* Liver		Leukemia Mononuclear	
	Bile Duct	Eosinophilic Focus	
		Hyperplasia	Minimal
* Lung	Alveolus	Leukemia Mononuclear	
		Inflammation	Chronic Active, Focal, Minimal
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]		Leukemia Mononuclear	
* Skin	Subcut Tiss	Pigmentation	Hemosiderin, Moderate
[Pigmentation TGLS = 1-11]			
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 288

TRT#: 4

SEX: Female

DAY ON TEST: 716

DOSE: 28 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901578

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Intestine Large, Colon		Parasite Metazoan	
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 2-6+7+12]			
[Eosinophilic Focus TGLS = 2-6+7+12]			
[Mixed Cell Focus TGLS = 2-12]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
Oviduct		Cyst	Moderate
[Cyst TGLS = 4-10]			
* Pituitary Gland		Cyst	Minimal
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Marked
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:03

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 288

TRT#: 4

SEX: Female

DAY ON TEST: 716

DOSE: 28 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901578

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:03

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 289

TRT#: 4

SEX: Female

DAY ON TEST: 526

DOSE: 28 MG/KG

DISP: Natural Death

HISTO: 9901579

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Rectum

OBSERVATIONS

* Heart	Myocardium	Degeneration	Mild
* Liver		Basophilic Focus	
* Lung		Congestion	Mild
[Congestion TGLS = 1-3+4]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Spleen	Lymph Follic	Atrophy	Mild

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:03

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 290

TRT#: 4

SEX: Female

DAY ON TEST: 474

DOSE: 28 MG/KG

DISP: Accidentally Killed

HISTO: 9901580

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Intestine Large, Rectum		Myxomatous Change	Minimal
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = 2-12]			
* Pituitary Gland		Cyst	Minimal
	Pars Distalis	Hyperplasia	Focal, Minimal
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:03

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 291

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 28 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901581

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Clitoral Gland		Cyst	Mild
		Inflammation	Chronic, Mild
[Cyst TGLS = 1-10]			
* Heart	Myocardium	Degeneration	Mild
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Mild
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 2-11]			
* Mammary Gland	Duct	Dilatation	Minimal
* Pituitary Gland		Cyst	Minimal
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 292

TRT#: 4

SEX: Female

DAY ON TEST: 197

DOSE: 28 MG/KG

DISP: Natural Death

HISTO: 9901582

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Liver		Inflammation	Granulomatous, Minimal
* Lung		Congestion	Mild
[Congestion TGLS = 1-3+4]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 293

TRT#: 4

SEX: Female

DAY ON TEST: 719

DOSE: 28 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901583

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Brain	Hypothalamus	Compression	Marked
		Hydrocephalus	Moderate
			[Compression TGLS = 5-9]
* Clitoral Gland		Inflammation	Chronic, Minimal
Eye		Degeneration	Moderate
			[Degeneration TGLS = 1-14]
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Leukemia Mononuclear	
		Mixed Cell Focus	
			[Basophilic Focus TGLS = 4-6+7+11]
			[Eosinophilic Focus TGLS = 4-11]
			[Mixed Cell Focus TGLS = 4-6+7+11]
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
			[Leukemia Mononuclear TGLS = 6-13]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 293	TRT#: 4	SEX: Female	DAY ON TEST: 719
	DOSE: 28 MG/KG	DISP: Moribund Sacrifice	HISTO: 9901583

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland	Duct	Dilatation	Moderate
* Pancreas	Acinus	Hyperplasia	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Salivary Glands	Parotid GI	Atrophy	Focal, Minimal
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 2-12]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 294

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 28 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901584

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Moderate
* Brain	Medulla	Compression	Mild
		Hydrocephalus	Mild
* Heart	Myocardium	Degeneration	Minimal
* Kidney	Renal Tubule	Cyst	Mild
		Nephropathy	Minimal
	[Cyst TGLS = 4-11]		
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Granulomatous, Minimal
	[Basophilic Focus TGLS = 3-6+7]		
	[Eosinophilic Focus TGLS = 3-6+7]		
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Mild
	[Inflammation TGLS = 5-3+4]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 2-12]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-8]		
* Spleen	Lymph Follic	Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 294

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 28 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901584

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 295

TRT#: 4

SEX: Female

DAY ON TEST: 594

DOSE: 28 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901585

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Liver		Hepatodiaphragmatic Nodule Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 1-11] [Leukemia Mononuclear TGLS = 2-6+7]		
* Lung	Alveolus	Inflammation Leukemia Mononuclear	Chronic Active, Focal, Minimal
	Lymph Node	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-13]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 5-8]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-12]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 296

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 28 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901586

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 2-6+7]			
[Mixed Cell Focus TGLS = 2-6+7]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-11]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 1-8]			
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
[Hyperplasia TGLS = 4-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 297

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 28 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901587

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart	Myocardium	Degeneration	Moderate
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Minimal
[Basophilic Focus TGLS = 3-6+7]			
* Ovary		Cyst	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Cyst	Mild
[Adenoma TGLS = 1-8]			
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 298

TRT#: 4

SEX: Female

DAY ON TEST: 677

DOSE: 28 MG/KG

DISP: Natural Death

HISTO: 9901588

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Rectum

OBSERVATIONS

* Clitoral Gland [Cyst TGLS = 2-10]		Cyst	Moderate
* Mammary Gland [Fibroadenoma TGLS = 1,3-12+13]		Fibroadenoma	Multiple
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 299	TRT#: 4	SEX: Female	DAY ON TEST: 678
	DOSE: 28 MG/KG	DISP: Moribund Sacrifice	HISTO: 9901589

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain	Hypothalamus	Compression Hydrocephalus Cyst Inflammation	Marked Moderate Mild Chronic, Minimal
* Clitoral Gland		Degeneration	Minimal
* Heart	Myocardium	Basophilic Focus Eosinophilic Focus	
* Liver		Inflammation	Chronic Active, Focal, Minimal
* Lung	Alveolus	Carcinoma	
* Mammary Gland [Carcinoma TGLS = 2-11]			
* Pituitary Gland [Adenoma TGLS = 1-8]	Pars Distalis	Adenoma	
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 300

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 28 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901590

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Clitoral Gland		Inflammation	Chronic, Minimal
* Heart	Myocardium	Degeneration	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 2-6+7+11]			
[Hepatodiaphragmatic Nodule TGLS = 3-6]			
[Mixed Cell Focus TGLS = 2-7+11]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 301

TRT#: 6

SEX: Female

DAY ON TEST: 491

DOSE: 84 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901591

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Inflammation	Chronic, Mild
* Heart		Leukemia Mononuclear	
* Intestine Large, Rectum		Leukemia Mononuclear	
* Kidney	Pelvis	Inflammation	Suppurative, Mild
	Renal Tubule	Leukemia Mononuclear	
		Pigmentation	Lipofuscin, Mild
	[Pigmentation TGLS = 3-5]		
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6+7]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-11]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-6]		
* Mammary Gland	Duct	Dilatation	Mild
* Pituitary Gland		Cyst	Minimal
	Pars Distalis	Hyperplasia	Focal, Minimal
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 301	TRT#: 6	SEX: Female	DAY ON TEST: 491
	DOSE: 84 MG/KG	DISP: Moribund Sacrifice	HISTO: 9901591

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 5-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-11]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 302

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 84 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901592

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart	Myocardium	Degeneration	Minimal
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Minimal
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
		Metaplasia	Osseous, Minimal
	[Inflammation TGLS = 4-3]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-11]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Cyst	Minimal
* Spleen	Lymph Follic	Atrophy	Moderate
		Hyperplasia	Lymphohistiocytosis, Moderate
	[Hyperplasia TGLS = 3-5]		
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLS = 2-10]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:03

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 303

TRT#: 6

SEX: Female

DAY ON TEST: 685

DOSE: 84 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901593

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Astrocytoma Malignant	
[Astrocytoma Malignant TGLS = 6-9]			
* Clitoral Gland		Cyst	Mild
[Cyst TGLS = 4-15]		Inflammation	Chronic, Mild
Eye		Cataract	Marked
[Cataract TGLS = 1-11]			
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 7-6+7]		Clear Cell Focus	
[Clear Cell Focus TGLS = 7-6+7]		Inflammation	Granulomatous, Minimal
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Mild
[Inflammation TGLS = 9-3+4]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2,3,5-12+13+14]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Cyst	Minimal
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 303

TRT#: 6

SEX: Female

DAY ON TEST: 685

DOSE: 84 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901593

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 8-8]

PRIMARY CAUSE OF DEATH

- Brain Astrocytoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 304

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 84 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901594

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 2-6+7]			
[Mixed Cell Focus TGLS = 2-7]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Moderate
[Inflammation TGLS = 1-3+4]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland	Duct	Dilatation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Spleen		Hyperplasia	Lymphohistiocy, Mild
[Hyperplasia TGLS = 4-5]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 305

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 84 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901595

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
[Basophilic Focus TGLS = 4-6+7]			
[Eosinophilic Focus TGLS = 4-6+7]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
Lymph Node	Mediastinal	Ectasia	Mild
[Ectasia TGLS = 5-11]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-11+12]			
* Ovary		Cyst	Minimal
[Cyst TGLS = 3-10]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Cyst	Minimal
[Adenoma TGLS = 6-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:03

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 305

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 84 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901595

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Lymph Follic

Atrophy

Mild

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:03

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 306

TRT#: 6

SEX: Female

DAY ON TEST: 667

DOSE: 84 MG/KG

DISP: Natural Death

HISTO: 9901596

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Nose	* Ovary	* Pancreas
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland	* Thymus
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AUTO PRECLUDES DIAG.

* Intestine Large, Rectum

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Brain	Hypothalamus	Compression	Mild
		Hydrocephalus	Minimal
* Heart		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6+7]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-11]		
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
* Mammary Gland	Duct	Dilatation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 4-8]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-5]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 307

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 84 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901597

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Intestine Large, Rectum		Myxomatous Change	Minimal
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Mild
[Inflammation TGLS = 1-3+4]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland	Duct	Dilatation	Minimal
* Pituitary Gland		Cyst	Minimal
	Pars Distalis	Hyperplasia	Focal, Minimal
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:03

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 308

TRT#: 6

SEX: Female

DAY ON TEST: 375

DOSE: 84 MG/KG

DISP: Natural Death

HISTO: 9901598

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* 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	

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Rectum

OBSERVATIONS

* Heart	Myocardium	Degeneration	Minimal
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Inflammation	Minimal
		Inflammation	Granulomatous, Minimal
	[Hepatodiaphragmatic Nodule TGLS = 1-11]		
* Pancreas	Acinus	Atrophy	Minimal
* Spleen	Lymph Follic	Atrophy	Mild

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:03

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 309

TRT#: 6

SEX: Female

DAY ON TEST: 474

DOSE: 84 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901599

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-11+12]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 310

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 84 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901600

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland		Cyst	Minimal
[Cyst TGLS = 1-11]			
* Heart	Myocardium	Degeneration	Minimal
* Intestine Large, Rectum		Myxomatous Change	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Granulomatous, Minimal
[Basophilic Focus TGLS = 2-12]			
[Hepatodiaphragmatic Nodule TGLS = 4-6]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
* Nose		Inflammation	Chronic, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Cyst	Minimal
[Adenoma TGLS = 3-8]			
* Spleen	Lymph Follic	Atrophy	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 311

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 84 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901601

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Minimal
* Heart	Myocardium	Degeneration	Minimal
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Minimal
[Basophilic Focus TGLS = 2-6+7]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Mild
[Inflammation TGLS = 3-3+4]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland		Angiectasis	Minimal
[Angiectasis TGLS = 4-8]			
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 312

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 84 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901602

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Minimal
* Heart	Myocardium	Degeneration	Minimal
* Intestine Large, Rectum		Myxomatous Change	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Minimal
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
[Inflammation TGLS = 4-3+4]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-11+12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:03

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 313

TRT#: 6

SEX: Female

DAY ON TEST: 483

DOSE: 84 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901603

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Intestine Large, Rectum		Leiomyosarcoma	Metastatic (Vagina)
		Myxomatous Change	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland	Duct	Dilatation	Minimal
		Hyperplasia	Focal, Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Cyst	Minimal
[Adenoma TGLS = 1-8]			
Skeletal Muscle		Leiomyosarcoma	Metastatic (Vagina)
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
Vagina		Leiomyosarcoma	
[Leiomyosarcoma TGLS = 2-12+13]			

PRIMARY CAUSE OF DEATH - Vagina Leiomyosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:03

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 314

TRT#: 6

SEX: Female

DAY ON TEST: 691

DOSE: 84 MG/KG

DISP: Natural Death

HISTO: 9901604

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Brain		Hydrocephalus	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-9]		
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Leukemia Mononuclear	
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6+7]		
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-11]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-12]		
* Mammary Gland	Duct	Dilatation	Minimal
* Ovary		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-8]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-5]		
* Stomach, Forestomach		Inflammation	Acute, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 314	TRT#: 6	SEX: Female	DAY ON TEST: 691
	DOSE: 84 MG/KG	DISP: Natural Death	HISTO: 9901604

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular		Ulcer	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 315

TRT#: 6

SEX: Female

DAY ON TEST: 673

DOSE: 84 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901605

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart	Myocardium	Degeneration	Minimal
* Intestine Large, Rectum		Myxomatous Change	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Granulomatous, Minimal
[Hepatodiaphragmatic Nodule TGLS = 5-14]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland	Duct	Dilatation	Mild
		Fibroadenoma	
		Hyperplasia	Focal, Mild
[Dilatation TGLS = 1-12]			
[Fibroadenoma TGLS = 2-11]			
[Hyperplasia TGLS = 1-12]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 4-13]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Spleen	Lymph Follic	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 315

TRT#: 6

SEX: Female

DAY ON TEST: 673

DOSE: 84 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901605

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 316

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 84 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901606

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Brain		Hydrocephalus	Mild
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Granulomatous, Minimal
[Basophilic Focus TGLS = 4-6+7]			
[Hepatodiaphragmatic Nodule TGLS = 3-7]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Mild
[Inflammation TGLS = 6-3+4]			
Lymph Node	Mediastinal	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 7-13]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Carcinoma	
		Fibroadenoma	
[Carcinoma TGLS = 2-12]			
[Fibroadenoma TGLS = 1-11]			
* Nose		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:03

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 316

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 84 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901606

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Lymph Follic	Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 317

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 84 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901607

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart	Myocardium	Degeneration	Mild
* Intestine Large, Rectum		Myxomatous Change	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Granulomatous, Mild
[Basophilic Focus TGLS = 2-6+7]			
[Eosinophilic Focus TGLS = 2-6+7]			
[Inflammation TGLS = 2-6+7]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 4-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-12]			
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 1-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:03

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 317

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 84 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901607

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 318

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 84 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901608

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Focal, Moderate
* Heart	Myocardium	Degeneration	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Intestine Large, Rectum		Myxomatous Change	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Fibrosis	Focal, Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
[Fibrosis TGLS = 2-6+7]			
* Lung		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland	Duct	Dilatation	Minimal
* Nose		Inflammation	Chronic, Minimal
* Ovary		Cyst	Mild
[Cyst TGLS = 1-10]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Cyst	Mild
[Adenoma TGLS = 3-8]			
* Spleen	Lymph Follic	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:03

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 318

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 84 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901608

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 319

TRT#: 6

SEX: Female

DAY ON TEST: 723

DOSE: 84 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901609

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mesenteric	* Ovary	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Moderate
* Clitoral Gland		Inflammation	Chronic, Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Intestine Large, Rectum		Myxomatous Change	Minimal
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
	[Angiectasis TGLS = 4-12]		
	[Basophilic Focus TGLS = 3-12]		
	[Hepatodiaphragmatic Nodule TGLS = 2-6]		
	[Mixed Cell Focus TGLS = 3-12]		
* Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
		Inflammation	Chronic Active, Focal, Minimal
Lymph Node	Mediastinal	Hemorrhage	Minimal
	Mediastinal	Hyperplasia	Lymphoid, Minimal
	[Hemorrhage TGLS = 5-13]		
	[Hyperplasia TGLS = 5-13]		
* Mammary Gland	Duct	Dilatation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 319	TRT#: 6	SEX: Female	DAY ON TEST: 723
	DOSE: 84 MG/KG	DISP: Moribund Sacrifice	HISTO: 9901609

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Inflammation	Chronic, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Cyst	Minimal
[Adenoma TGLS = 6-8]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-11]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell	Adenoma	
	Follicle	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:03

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 320

TRT#: 6

SEX: Female

DAY ON TEST: 559

DOSE: 84 MG/KG

DISP: Natural Death

HISTO: 9901610

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
--------------------------	---------------------

OBSERVATIONS

* Heart	Myocardium	Degeneration	Mild
* Mammary Gland	Duct	Dilatation	Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 1-11]			
* Uterus		Polyp Stromal	
		Sarcoma Stromal	
[Polyp Stromal TGLS = 2-10]			
[Sarcoma Stromal TGLS = 3-12]			

PRIMARY CAUSE OF DEATH

- Uterus Sarcoma Stromal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 321	TRT#: 6	SEX: Female	DAY ON TEST: 730
	DOSE: 84 MG/KG	DISP: Terminal Sacrifice	HISTO: 9901611

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Clitoral Gland		Hyperplasia	Focal, Mild
* Heart	Myocardium	Degeneration	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Granulomatous, Minimal
[Basophilic Focus TGLS = 3-13]			
[Eosinophilic Focus TGLS = 3-13]			
* Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Intermed	Adenoma	
	Pars Distalis	Hyperplasia	Focal, Minimal
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 2-12]			
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 322

TRT#: 6

SEX: Female

DAY ON TEST: 111

DOSE: 84 MG/KG

DISP: Dosing Accident

HISTO: 9901612

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Rectum

OBSERVATIONS

* Liver	Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 2 -11]		
* Nose	Inflammation	Chronic, Minimal
* Thyroid Gland	Hemorrhage	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 323

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 84 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901613

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland		Cyst	Mild
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Granulomatous, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,3,4-11+12+13]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 324

TRT#: 6

SEX: Female

DAY ON TEST: 614

DOSE: 84 MG/KG

DISP: Natural Death

HISTO: 9901614

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Rectum

OBSERVATIONS

* Heart	Myocardium	Degeneration	Mild
* Lung		Congestion	Mild
	Alveolus	Inflammation	Chronic Active, Focal, Minimal
[Congestion TGLS = 2-3+4]			
* Mammary Gland	Duct	Dilatation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 325 **TRT#:** 6 **SEX:** Female **DAY ON TEST:** 728
DOSE: 84 MG/KG **DISP:** Terminal Sacrifice **HISTO:** 9901615

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Hydrocephalus	Mild
* Clitoral Gland		Cyst	Minimal
* Heart	Myocardium	Degeneration	Minimal
		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Regeneration	Mild
		[Hepatodiaphragmatic Nodule TGLS = 2-6]	
		[Leukemia Mononuclear TGLS = 2,3-6+7]	
		[Regeneration TGLS = 3-7]	
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Mild
		Leukemia Mononuclear	
		[Inflammation TGLS = 4-3+4]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland	Duct	Dilatation	Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Cyst	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 325	TRT#: 6	SEX: Female	DAY ON TEST: 728
	DOSE: 84 MG/KG	DISP: Terminal Sacrifice	HISTO: 9901615

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 5-8]			
* Spleen	Lymph Follic	Atrophy Leukemia Mononuclear	Moderate
[Leukemia Mononuclear TGLS = 1-11]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 326

TRT#: 6

SEX: Female

DAY ON TEST: 653

DOSE: 84 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901616

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Fibrosis	Mild
* Heart	Myocardium	Degeneration	Minimal
		Leukemia Mononuclear	
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6+7]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-11]		
* Mammary Gland	Duct	Dilatation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-8]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-11]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 327

TRT#: 6

SEX: Female

DAY ON TEST: 678

DOSE: 84 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901617

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Brain	Hypothalamus	Compression	Moderate
		Hydrocephalus	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Fibroadenoma	
* Mammary Gland			
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 328

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 84 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901618

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Hydrocephalus	Minimal
* Clitoral Gland		Hyperplasia	Focal, Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 3-12]			
[Eosinophilic Focus TGLS = 3-12]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Mild
[Inflammation TGLS = 4-3+4]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-8]			
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLS = 6-8]			
* Uterus	Endometrium	Inflammation	Chronic, Marked
		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:03

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 328

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 84 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901618

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 2-10]

[Polyp Stromal TGLS = 2-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 329

TRT#: 6

SEX: Female

DAY ON TEST: 545

DOSE: 84 MG/KG

DISP: Dosing Accident

HISTO: 9901619

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Rectum

OBSERVATIONS

* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Granulomatous, Minimal
	[Basophilic Focus TGLS = 2-12]		
	[Hepatodiaphragmatic Nodule TGLS = 1-6]		
* Lung		Hemorrhage	Moderate
	Alveolus	Inflammation	Chronic Active, Focal, Mild
	[Hemorrhage TGLS = 5-3+4]		
Lymph Node	Mediastinal	Hemorrhage	Mild
	[Hemorrhage TGLS = 6-11]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLS = 3-11]		
* Trachea		Hemorrhage	Moderate
	[Hemorrhage TGLS = 4-3]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 330

TRT#: 6

SEX: Female

DAY ON TEST: 645

DOSE: 84 MG/KG

DISP: Natural Death

HISTO: 9901620

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Ovary	* Parathyroid Gland
* Skin	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-8]			
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-12]			
[Leukemia Mononuclear TGLS = 5-11]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-14]			
* Nose		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland		Cyst	Minimal
	Pars Distalis	Hyperplasia	Focal, Mild
* Salivary Glands		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1,2-5+13]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:03

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 330

TRT#: 6

SEX: Female

DAY ON TEST: 645

DOSE: 84 MG/KG

DISP: Natural Death

HISTO: 9901620

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach

Leukemia Mononuclear

* Stomach, Glandular

Leukemia Mononuclear

* Thymus

Leukemia Mononuclear

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 331

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 84 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901621

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Heart	Myocardium	Degeneration	Minimal
* Intestine Large, Rectum		Myxomatous Change	Minimal
		Parasite Metazoan	
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Granulomatous, Minimal
[Basophilic Focus TGLS = 2-12]			
[Hepatodiaphragmatic Nodule TGLS = 4-6]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-11]			
* Pituitary Gland		Cyst	Minimal
	Pars Distalis	Hyperplasia	Focal, Minimal
[Hyperplasia TGLS = 1-8]			
* Spleen	Lymph Follic	Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:03

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 332

TRT#: 6

SEX: Female

DAY ON TEST: 405

DOSE: 84 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901622

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Liver	* Lung	* Mammary Gland
* Nose	* Parathyroid Gland	Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skin	Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Ovary		Cyst	Mild
[Cyst TGLS = 1-10]			
* Pancreas	Acinus	Atrophy	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 333

TRT#: 6

SEX: Female

DAY ON TEST: 664

DOSE: 84 MG/KG

DISP: Natural Death

HISTO: 9901623

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Rectum

OBSERVATIONS

* Heart	Myocardium	Degeneration Leukemia Mononuclear Leukemia Mononuclear	Minimal
* Liver	[Leukemia Mononuclear TGLS = 6-6+7]		
* Lung		Leukemia Mononuclear	
* Mammary Gland	Duct	Dilatation Hyperplasia Hemorrhage Leukemia Mononuclear	Minimal Focal, Minimal Moderate
* Spleen	[Hemorrhage TGLS = 3-5] [Leukemia Mononuclear TGLS = 2-5]		
* Uterus	[Polyp Stromal TGLS = 4,5-11+10]	Polyp Stromal	

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:03

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 334

TRT#: 6

SEX: Female

DAY ON TEST: 711

DOSE: 84 MG/KG

DISP: Natural Death

HISTO: 9901624

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Brain	Hypothalamus	Compression Hydrocephalus	Marked Moderate
* Clitoral Gland		Inflammation	Chronic, Mild
* Heart	Myocardium	Degeneration	Mild
* Liver		Basophilic Focus Eosinophilic Focus	
	Bile Duct	Hyperplasia Inflammation	Mild Granulomatous, Mild
[Basophilic Focus TGLS = 1-6+7] [Eosinophilic Focus TGLS = 1-6+7]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 3,4-11+12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 335

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 84 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901625

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain	Hypothalamus	Compression	Mild
* Clitoral Gland		Inflammation	Suppurative, Minimal
* Heart	Myocardium	Degeneration	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Inflammation	Granulomatous, Minimal
[Basophilic Focus TGLS = 3-12]			
[Clear Cell Focus TGLS = 3-12]			
[Eosinophilic Focus TGLS = 3-12]			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
	Mediastinal	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 4-11]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland	Duct	Dilatation	Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Cyst	Minimal
[Adenoma TGLS = 2-8+9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:03

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 335

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 84 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901625

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 336

TRT#: 6

SEX: Female

DAY ON TEST: 715

DOSE: 84 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901626

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Nose	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Liver		Basophilic Focus Clear Cell Focus Hepatodiaphragmatic Nodule Inflammation Mixed Cell Focus	Granulomatous, Minimal
[Basophilic Focus TGLS = 3-12]			
[Hepatodiaphragmatic Nodule TGLS = 4-7]			
[Mixed Cell Focus TGLS = 3-12]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 2-10]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-8]			
* Spleen	Lymph Follic	Atrophy Hematopoietic Cell Proliferation	Mild Minimal
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:03

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 336

TRT#: 6

SEX: Female

DAY ON TEST: 715

DOSE: 84 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901626

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:03
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 337 **TRT#:** 6 **SEX:** Female **DAY ON TEST:** 728
DOSE: 84 MG/KG **DISP:** Terminal Sacrifice **HISTO:** 9901627

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 1-6+7+11]			
[Clear Cell Focus TGLS = 1-7]			
[Mixed Cell Focus TGLS = 1-7+11]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
	Mediastinal	Infiltration Cellular	Histiocyte, Mild
[Hyperplasia TGLS = 3-12]			
[Infiltration Cellular TGLS = 3-12]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland	Duct	Dilatation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:04

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 337

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 84 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901627

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 338

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 84 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901628

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Minimal
* Heart	Myocardium	Degeneration	Mild
* Intestine Large, Rectum		Myxomatous Change	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Inflammation	Granulomatous, Minimal
[Basophilic Focus TGLS = 2-11]			
[Clear Cell Focus TGLS = 2-11]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Moderate
[Inflammation TGLS = 1-3+4]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pituitary Gland		Cyst	Minimal
	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 339

TRT#: 6

SEX: Female

DAY ON TEST: 713

DOSE: 84 MG/KG

DISP: Natural Death

HISTO: 9901629

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Nose	* Ovary
* Pancreas	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Brain	Hypothalamus	Compression	Marked
		Hydrocephalus	Moderate
* Heart	Myocardium	Degeneration	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Granulomatous, Minimal
[Eosinophilic Focus TGLS = 2-6]			
* Lung	Alveolar Epith	Hyperplasia	Focal, Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Histiocyte, Mild
[Hyperplasia TGLS = 5-6]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-11]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 6-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Spleen	Lymph Follic	Atrophy	Mild
* Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:04

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 339

TRT#: 6

SEX: Female

DAY ON TEST: 713

DOSE: 84 MG/KG

DISP: Natural Death

HISTO: 9901629

ORGAN AND ACCOUNTABLE SITE STATUS

[Polyp Stromal TGLS = 1-12]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 340

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 84 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901630

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Clitoral Gland		Inflammation	Chronic, Minimal
* Heart	Myocardium	Degeneration	Minimal
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Minimal
		Tension Lipidosis	
[Tension Lipidosis TGLS = 2-12]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Mild
[Inflammation TGLS = 4-3+4]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Ovary		Cyst	Minimal
[Cyst TGLS = 3-10]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 341

TRT#: 6

SEX: Female

DAY ON TEST: 667

DOSE: 84 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901631

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex [Hyperplasia TGLS = 5-8]		Hyperplasia	Focal, Marked
* Adrenal Medulla		Hyperplasia	Focal, Moderate
* Heart	Myocardium	Degeneration	Moderate
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fibrous Histiocytoma	
		Mixed Cell Focus	
[Basophilic Focus TGLS = 6-12]			
[Clear Cell Focus TGLS = 6-12]			
[Fibrous Histiocytoma TGLS = 4-6+7]			
[Mixed Cell Focus TGLS = 6-12]			
* Lung [Fibrous Histiocytoma TGLS = 3-3+4]		Fibrous Histiocytoma	
* Lymph Node, Mesenteric [Hyperplasia TGLS = 7-13]		Hyperplasia	Lymphoid, Minimal
* Mammary Gland	Duct	Dilatation	Moderate
* Pituitary Gland		Cyst	Minimal
	Pars Distalis	Hyperplasia	Focal, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 341	TRT#: 6 DOSE: 84 MG/KG	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 667 HISTO: 9901631
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ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Fibrous Histiocytoma TGLS = 1-11]	Subcut Tiss	Fibrous Histiocytoma	
* Spleen	Lymph Follic	Atrophy Hematopoietic Cell Proliferation	Marked Moderate
* Thyroid Gland Vagina [Hyperplasia TGLS = 2-14]	C Cell	Hyperplasia Hyperplasia	Mild Marked

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibrous Histiocytoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 342

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 84 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901632

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Clitoral Gland		Inflammation	Chronic, Minimal
[Inflammation TGLS = 4-11]			
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Granulomatous, Minimal
[Basophilic Focus TGLS = 6-6+7]			
[Eosinophilic Focus TGLS = 6-6+7]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Moderate
[Inflammation TGLS = 7-3+4]			
Lymph Node	Mediastinal	Ectasia	Mild
[Ectasia TGLS = 8-14]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Adenoma	
		Fibroadenoma	Multiple
[Adenoma TGLS = 3-11]			
[Fibroadenoma TGLS = 1,2-12+13]			
* Nose		Inflammation	Chronic, Minimal
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 342

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 84 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901632

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Endometrium

Hyperplasia

Cystic, Mild

[Hyperplasia TGLS = 5-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 343

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 84 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901633

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Minimal
* Heart	Myocardium	Degeneration	Minimal
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Minimal
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
* Mammary Gland	Duct	Dilatation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLS = 1-11]		
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 344

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 84 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901634

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart	Myocardium	Degeneration	Minimal
* Intestine Large, Rectum		Myxomatous Change	Minimal
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
Lymph Node	Mediastinal	Ectasia	Mild
[Ectasia TGLS = 4-11]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-11]			
* Ovary		Cyst	Mild
[Cyst TGLS = 2-10]			
* Pituitary Gland		Cyst	Minimal
	Pars Distalis	Hyperplasia	Focal, Minimal
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Adenocarcinoma	
[Adenocarcinoma TGLS = 1-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 344

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 84 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901634

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:04

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 345

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 84 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901635

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Granulomatous, Minimal
[Basophilic Focus TGLS = 1-6+7]			
[Eosinophilic Focus TGLS = 1-6+7]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland	Duct	Dilatation	Minimal
* Nose		Inflammation	Chronic, Minimal
* Spleen	Lymph Follic	Atrophy	Moderate
* Thyroid Gland	Bilateral, C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:04

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 346

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 84 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901636

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Minimal
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 4-12]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
[Inflammation TGLS = 3-3+4]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-11+12]			
* Spleen	Lymph Follic	Atrophy	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 347

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 84 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901637

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Islets, Pancreatic		Adenoma	
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Minimal
[Basophilic Focus TGLS = 5-6+7]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
[Inflammation TGLS = 1-3]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 4-11]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 3-10]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
	Follicle	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 348	TRT#: 6	SEX: Female	DAY ON TEST: 729
	DOSE: 84 MG/KG	DISP: Terminal Sacrifice	HISTO: 9901638

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

Blood Vessel	Aorta	Inflammation	Chronic, Mild
* Heart	Myocardium	Degeneration	Minimal
* Intestine Large, Rectum		Myxomatous Change	Minimal
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Granulomatous, Minimal
[Angiectasis TGLS = 4-12]			
[Eosinophilic Focus TGLS = 4-12]			
[Hepatodiaphragmatic Nodule TGLS = 2-6]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-11]			
Oral Mucosa		Cyst	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Angiectasis	Mild
[Angiectasis TGLS = 1-8]			
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:04

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 348

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 84 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901638

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 349

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 84 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901639

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart	Myocardium	Degeneration	Minimal
* Intestine Large, Rectum		Inflammation	Chronic, Mild
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Minimal
[Basophilic Focus TGLS = 1-6+7]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
Lymph Node	Mediastinal	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland	Duct	Dilatation	Minimal
* Pituitary Gland		Cyst	Minimal
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 350

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 84 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901640

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain	Cerebrum	Degeneration	Focal, Minimal
	Cerebrum	Gliosis	Focal, Mild
* Heart	Myocardium	Degeneration	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6+7]			
* Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1,2-11+12]			
* Pituitary Gland		Cyst	Minimal
[Cyst TGLS = 5-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-13]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 351

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 252 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901641

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

Blood Vessel	Aorta	Inflammation	Chronic, Mild
* Esophagus	Muscularis	Inflammation	Chronic, Mild
* Heart	Myocardium	Degeneration	Minimal
* Intestine Large, Rectum		Infiltration Cellular	Histiocyte, Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Granulomatous, Minimal
		[Basophilic Focus TGLS = 2-6+7]	
		[Hepatodiaphragmatic Nodule TGLS = 3-11]	
* Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
		[Hyperplasia TGLS = 1-11]	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland	Duct	Dilatation	Minimal
* Pituitary Gland		Cyst	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 352

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 252 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901642

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Clitoral Gland		Inflammation	Chronic, Mild
[Inflammation TGLS = 9-10]			
* Heart	Myocardium	Degeneration	Mild
* Intestine Large, Rectum		Infiltration Cellular	Histiocyte, Minimal
		Myxomatous Change	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 4-11]			
[Eosinophilic Focus TGLS = 4-11]			
[Hepatodiaphragmatic Nodule TGLS = 5,6-11+6]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Moderate
[Inflammation TGLS = 10-3+4]			
Lymph Node	Deep Cervical	Hemorrhage	Mild
	Deep Cervical	Hyperplasia	Lymphoid, Mild
	Pancreatic	Infiltration Cellular	Histiocyte, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 352	TRT#: 8	SEX: Female	DAY ON TEST: 730
	DOSE: 252 MG/KG	DISP: Terminal Sacrifice	HISTO: 9901642

ORGAN AND ACCOUNTABLE SITE STATUS

	Pancreatic	Pigmentation	Hemosiderin, Moderate
[Hemorrhage TGLS = 11-13]			
[Hyperplasia TGLS = 11-13]			
[Infiltration Cellular TGLS = 3-15]			
[Pigmentation TGLS = 3-15]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 7-6]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,8-12+13]			
* Pituitary Gland		Cyst	Minimal
* Spleen		Hyperplasia	Lymphohistiocy, Marked
[Hyperplasia TGLS = 2-14]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 353

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 252 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901643

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Nose	* Pancreas	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
--------------------------	---------------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Clitoral Gland		Cyst	Mild
* Heart	Myocardium	Degeneration	Minimal
* Intestine Large, Rectum		Myxomatous Change	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	

[Basophilic Focus TGLS = 1-6+7]
 [Eosinophilic Focus TGLS = 1-6+7]
 [Mixed Cell Focus TGLS = 1-6+7]

* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland	Duct	Dilatation	Mild
* Ovary		Cyst	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:04

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 354

TRT#: 8

SEX: Female

DAY ON TEST: 111

DOSE: 252 MG/KG

DISP: Dosing Accident

HISTO: 9901644

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Rectum

OBSERVATIONS

* Liver		Inflammation	Granulomatous, Minimal
* Lung		Hemorrhage	Marked
[Hemorrhage TGLS = 1-3+4]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Ovary		Cyst	Moderate
[Cyst TGLS = 3-10]			
* Spleen	Lymph Follic	Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 355

TRT#: 8

SEX: Female

DAY ON TEST: 216

DOSE: 252 MG/KG

DISP: Dosing Accident

HISTO: 9901645

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Liver	* Lung	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Rectum

OBSERVATIONS

* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Spleen	Lymph Follic	Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 356

TRT#: 8

SEX: Female

DAY ON TEST: 651

DOSE: 252 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901646

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Heart	Myocardium	Degeneration	Minimal
* Intestine Large, Rectum		Myxomatous Change	Minimal
* Liver		Inflammation	Granulomatous, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-11]			
* Pituitary Gland		Cyst	Minimal
	Pars Distalis	Hyperplasia	Focal, Mild
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Inflammation	Suppurative, Minimal
	Endometrium	Sarcoma Stromal	
[Inflammation TGLS = 2-11]			
[Sarcoma Stromal TGLS = 1-12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 357

TRT#: 8

SEX: Female

DAY ON TEST: 672

DOSE: 252 MG/KG

DISP: Natural Death

HISTO: 9901647

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Rectum

OBSERVATIONS

* Brain	Hypothalamus	Compression	Marked
		Hydrocephalus	Mild
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Granulomatous, Minimal
* Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen	Lymph Follic	Atrophy	Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 358 **TRT#:** 8 **SEX:** Female **DAY ON TEST:** 728
DOSE: 252 MG/KG **DISP:** Natural Death **HISTO:** 9901648

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Brain	Hypothalamus	Compression	Marked
		Hydrocephalus	Moderate
Eye	Cornea	Fibrosis	Mild
[Fibrosis TGLS = 3-13]			
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 5-6+7]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Moderate
		Leukemia Mononuclear	
[Inflammation TGLS = 7-3+4]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Adenoma	
		Fibroadenoma	
[Adenoma TGLS = 2-12]			
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 358	TRT#: 8	SEX: Female	DAY ON TEST: 728
	DOSE: 252 MG/KG	DISP: Natural Death	HISTO: 9901648

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 4-5]		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 359

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 252 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901649

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart	Myocardium	Degeneration	Mild
* Intestine Large, Rectum		Infiltration Cellular	Histiocyte, Mild
		Myxomatous Change	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
	[Basophilic Focus TGLS = 3-13]		
	[Mixed Cell Focus TGLS = 3-13]		
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
Lymph Node	Mediastinal	Hemorrhage	Minimal
	Mediastinal	Hyperplasia	Lymphoid, Mild
	[Hemorrhage TGLS = 4-14]		
* Mammary Gland	Duct	Dilatation	Moderate
		Fibroadenoma	
	[Dilatation TGLS = 1-11]		
	[Fibroadenoma TGLS = 2-12]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Cyst	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 359

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 252 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901649

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

Pars Distalis
C Cell

Hyperplasia
Hyperplasia

Focal, Mild
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:04

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 360

TRT#: 8

SEX: Female

DAY ON TEST: 727

DOSE: 252 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901650

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-9]			
* Heart		Leukemia Mononuclear	
* Intestine Large, Rectum		Infiltration Cellular	Histiocyte, Minimal
		Myxomatous Change	Mild
* Kidney		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6+7]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Mild
		Leukemia Mononuclear	
[Inflammation TGLS = 4-3+4]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland	Duct	Dilatation	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 1-11]			
* Nose		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-5]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 360

TRT#: 8

SEX: Female

DAY ON TEST: 727

DOSE: 252 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901650

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach

Epithelium

Inflammation

Suppurative, Focal, Minimal

* Stomach, Glandular

Inflammation

Chronic, Focal, Minimal

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 361	TRT#: 8	SEX: Female	DAY ON TEST: 728
	DOSE: 252 MG/KG	DISP: Terminal Sacrifice	HISTO: 9901651

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Clitoral Gland		Inflammation	Chronic, Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Intestine Large, Rectum		Myxomatous Change	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Inflammation	Granulomatous, Minimal
[Eosinophilic Focus TGLS = 4-7]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Moderate
[Inflammation TGLS = 3-3+4]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-12]			
* Pituitary Gland		Cyst	Minimal
	Pars Distalis	Hyperplasia	Focal, Minimal
* Stomach, Forestomach		Inflammation	Chronic, Focal, Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:04

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 361

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 252 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901651

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 362	TRT#: 8	SEX: Female	DAY ON TEST: 730
	DOSE: 252 MG/KG	DISP: Terminal Sacrifice	HISTO: 9901652

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-11]			
* Heart	Myocardium	Degeneration	Minimal
* Intestine Large, Rectum		Myxomatous Change	Minimal
* Kidney		Infarct	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Granulomatous, Minimal
[Basophilic Focus TGLS = 3-6+7]			
[Hepatodiaphragmatic Nodule TGLS = 4-6]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland	Duct	Dilatation	Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-11]			
* Pituitary Gland		Angiectasis	Moderate
	Pars Distalis	Hyperplasia	Focal, Moderate
[Angiectasis TGLS = 5-8]			
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 362

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 252 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901652

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:04

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 363

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 252 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901653

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Clitoral Gland		Cyst	Moderate
[Cyst TGLS = 1-13]			
* Heart	Myocardium	Degeneration	Mild
* Intestine Large, Rectum		Myxomatous Change	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
[Basophilic Focus TGLS = 5-14]		Inflammation	Granulomatous, Minimal
[Eosinophilic Focus TGLS = 5-14]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Moderate
[Inflammation TGLS = 6-3+4]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland	Duct	Dilatation	Mild
		Fibroadenoma	Multiple
[Dilatation TGLS = 3-12]			
[Fibroadenoma TGLS = 2-11]			
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = 4-11]			
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 363	TRT#: 8	SEX: Female	DAY ON TEST: 730
	DOSE: 252 MG/KG	DISP: Terminal Sacrifice	HISTO: 9901653

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 7-8]

* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 364 **TRT#:** 8 **SEX:** Female **DAY ON TEST:** 706
DOSE: 252 MG/KG **DISP:** Moribund Sacrifice **HISTO:** 9901654

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Adenoma	
* Heart		Leukemia Mononuclear	
* Intestine Large, Rectum		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
		Myxomatous Change	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Basophilic Focus TGLS = 3-6+7]		
	[Eosinophilic Focus TGLS = 3-6+7]		
	[Hepatodiaphragmatic Nodule TGLS = 4-12]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-11]		
* Pituitary Gland		Cyst	Mild
	Pars Distalis	Hyperplasia	Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 364	TRT#: 8	SEX: Female	DAY ON TEST: 706
	DOSE: 252 MG/KG	DISP: Moribund Sacrifice	HISTO: 9901654

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 5-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-5]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 365

TRT#: 8

SEX: Female

DAY ON TEST: 624

DOSE: 252 MG/KG

DISP: Natural Death

HISTO: 9901655

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

AUTO PRECLUDES DIAG.

* Intestine Large, Rectum

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Clitoral Gland		Hyperplasia	Focal, Minimal
* Heart	Myocardium	Degeneration	Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6+7]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Mild
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland	Duct	Dilatation	Mild
* Pituitary Gland		Angiectasis	Moderate
[Angiectasis TGLS = 4-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1,2-5+11]			

PRIMARY CAUSE OF DEATH

- Liver Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:04

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 366

TRT#: 8

DOSE: 252 MG/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 728

HISTO: 9901656

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Intestine Large, Rectum		Infiltration Cellular	Histiocyte, Minimal
		Myxomatous Change	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-6+7]		
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
		Metaplasia	Osseous, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland	Duct	Dilatation	Minimal
* Pituitary Gland		Cyst	Mild
* Spleen	Lymph Follic	Atrophy	Mild
		Leukemia Mononuclear	
* Thyroid Gland	Follicle	Carcinoma	
	C Cell	Hyperplasia	Minimal
	[Carcinoma TGLS = 3-8]		
* Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 366

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 252 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901656

ORGAN AND ACCOUNTABLE SITE STATUS

[Polyp Stromal TGLS = 2-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 367 **TRT#:** 8 **SEX:** Female **DAY ON TEST:** 730
DOSE: 252 MG/KG **DISP:** Terminal Sacrifice **HISTO:** 9901657

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Brain	Hypothalamus	Compression	Marked
		Hydrocephalus	Mild
* Clitoral Gland		Inflammation	Chronic, Minimal
* Intestine Large, Rectum		Infiltration Cellular	Histiocyte, Minimal
		Myxomatous Change	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Minimal
[Basophilic Focus TGLS = 3-6+7]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Moderate
[Inflammation TGLS = 4-3+4]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 368

TRT#: 8

SEX: Female

DAY ON TEST: 329

DOSE: 252 MG/KG

DISP: Accidentally Killed

HISTO: 9901658

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart	Myocardium	Degeneration	Minimal
* Liver		Hepatodiaphragmatic Nodule	
		Inflammation	Granulomatous, Minimal
	[Hepatodiaphragmatic Nodule TGLS = 1-6]		
* Thyroid Gland		Hemorrhage	Moderate
	[Hemorrhage TGLS = 2-8]		

PRIMARY CAUSE OF DEATH

- Thyroid Gland Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:04

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 369

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 252 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901659

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart	Myocardium	Degeneration	Mild
* Intestine Large, Rectum		Infiltration Cellular	Histiocyte, Minimal
		Myxomatous Change	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Granulomatous, Mild
		Mixed Cell Focus	
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Moderate
[Inflammation TGLS = 2-3+4]			
Lymph Node	Mediastinal	Infiltration Cellular	Plasma Cell, Mild
	Mediastinal	Infiltration Cellular	Mast Cell, Moderate
[Infiltration Cellular TGLS = 3-12]			
[Infiltration Cellular TGLS = 3-12]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland	Duct	Dilatation	Minimal
		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pancreas	Acinus	Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 369

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 252 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901659

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Hyperplasia TGLS = 4,5,6-5+12]		Hyperplasia	Lymphohistiocy, Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 370

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 252 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901660

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart	Myocardium	Degeneration	Minimal
* Intestine Large, Rectum		Myxomatous Change	Minimal
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Inflammation	Granulomatous, Mild
[Angiectasis TGLS = 3-6+7+12]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Mild
[Inflammation TGLS = 2-3]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 4-11]			
* Nose		Inflammation	Chronic, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Marked
* Uterus		Leiomyoma	
[Leiomyoma TGLS = 1-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 371

TRT#: 8

SEX: Female

DAY ON TEST: 525

DOSE: 252 MG/KG

DISP: Natural Death

HISTO: 9901661

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain	Hypothalamus	Compression	Marked
		Hydrocephalus	Mild
* Heart	Myocardium	Degeneration	Minimal
* Intestine Large, Rectum		Myxomatous Change	Minimal
* Kidney		Nephropathy	Mild
* Liver		Inflammation	Granulomatous, Minimal
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Mild
[Inflammation TGLS = 1-3+4]			
Lymph Node	Mediastinal	Hemorrhage	Mild
[Hemorrhage TGLS = 3-11]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland	Duct	Dilatation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 372	TRT#: 8	SEX: Female	DAY ON TEST: 729
	DOSE: 252 MG/KG	DISP: Terminal Sacrifice	HISTO: 9901662

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland		Cyst	Minimal
* Spleen	Lymph Follic	Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 373

TRT#: 8

SEX: Female

DAY ON TEST: 603

DOSE: 252 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901663

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Intestine Large, Rectum		Myxomatous Change	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolus	Leukemia Mononuclear	
		Inflammation	Chronic Active, Focal, Moderate
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-6]	
* Mammary Gland	Duct	Dilatation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Cyst	Minimal
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-5]	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 374

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 252 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901664

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Nose	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Brain		Hydrocephalus	Mild
* Heart	Myocardium	Degeneration	Minimal
* Intestine Large, Rectum		Myxomatous Change	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Granulomatous, Minimal
		[Hepatodiaphragmatic Nodule TGLS = 3,4-6+7]	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland	Duct	Dilatation	Minimal
* Ovary		Cyst	Moderate
		[Cyst TGLS = 2-10]	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 1-8]	
* Spleen	Lymph Follic	Atrophy	Minimal
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 375

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 252 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901665

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland		Inflammation	Suppurative, Minimal
Eye		Cataract	Moderate
[Cataract TGLS = 1-11]			
* Heart	Myocardium	Degeneration	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
[Clear Cell Focus TGLS = 2-12]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland	Duct	Dilatation	Minimal
* Ovary		Cyst	Mild
* Pituitary Gland		Cyst	Mild
	Pars Distalis	Hyperplasia	Focal, Minimal
[Hyperplasia TGLS = 3-8]			
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:04

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 376

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 252 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901666

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Minimal
* Heart	Myocardium	Degeneration	Mild
* Intestine Large, Rectum		Infiltration Cellular	Histiocyte, Minimal
		Myxomatous Change	Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Granulomatous, Minimal
[Basophilic Focus TGLS = 1-6+7]			
[Clear Cell Focus TGLS = 1-6+7]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
[Inflammation TGLS = 2-11]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Nose		Inflammation	Chronic, Minimal
* Pituitary Gland		Cyst	Mild
[Cyst TGLS = 3-8]			
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 377

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 252 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901667

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart	Myocardium	Degeneration	Minimal
* Intestine Large, Rectum		Myxomatous Change	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Minimal
[Basophilic Focus TGLS = 1-6+7+11]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Mild
[Inflammation TGLS = 2-3+4]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Nose		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Cyst	Minimal
[Adenoma TGLS = 3-8]			
* Spleen	Lymph Follic	Atrophy	Mild
* Stomach, Glandular		Mineralization	Minimal
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 378

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 252 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901668

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Ovary	* Pancreas	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Brain	Hypothalamus	Compression	Moderate
		Hydrocephalus	Moderate
* Clitoral Gland		Hyperplasia	Focal, Mild
		Inflammation	Suppurative, Mild
			[Hyperplasia TGLS = 2-12]
			[Inflammation TGLS = 2-12]
* Intestine Large, Rectum		Infiltration Cellular	Histiocyte, Minimal
		Myxomatous Change	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
			[Fibroadenoma TGLS = 1-11]
* Nose		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
			[Adenoma TGLS = 3-8]
* Spleen	Lymph Follic	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 378

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 252 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901668

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 379

TRT#: 8

SEX: Female

DAY ON TEST: 495

DOSE: 252 MG/KG

DISP: Natural Death

HISTO: 9901669

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Intestine Small, Duodenum	* Lymph Node, Mandibular	* Thymus
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AUTO PRECLUDES DIAG.

* Intestine Large, Rectum

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
		Necrosis	Marked
* Heart	Myocardium	Degeneration	Mild
* Liver		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 1-12]		
	[Leukemia Mononuclear TGLS = 2-6+7]		
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
		Leukemia Mononuclear	
	[Inflammation TGLS = 3-3+4]		
	[Leukemia Mononuclear TGLS = 3-3+4]		
Lymph Node	Mediastinal	Congestion	Moderate
	[Congestion TGLS = 4-11]		
* Mammary Gland	Duct	Dilatation	Minimal
* Pituitary Gland		Cyst	Minimal
* Spleen		Leukemia Mononuclear	
* Stomach, Glandular		Ulcer	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 379

TRT#: 8

SEX: Female

DAY ON TEST: 495

DOSE: 252 MG/KG

DISP: Natural Death

HISTO: 9901669

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 380

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 252 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901670

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 3-13]			
Eye		Cataract	Moderate
[Cataract TGLS = 1-11]			
* Heart	Myocardium	Degeneration	Mild
* Intestine Large, Rectum		Infiltration Cellular	Histiocyte, Mild
		Myxomatous Change	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Granulomatous, Minimal
[Basophilic Focus TGLS = 8-6+7]			
[Hepatodiaphragmatic Nodule TGLS = 7-6]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Moderate
[Inflammation TGLS = 5-3+4]			
Lymph Node	Mediastinal	Ectasia	Mild
	Mediastinal	Hyperplasia	Lymphoid, Mild
[Ectasia TGLS = 9-11]			
[Hyperplasia TGLS = 9-11]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 380	TRT#: 8	SEX: Female	DAY ON TEST: 730
	DOSE: 252 MG/KG	DISP: Terminal Sacrifice	HISTO: 9901670

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland [Fibroadenoma TGLS = 2-12]		Fibroadenoma	
* Pituitary Gland [Adenoma TGLS = 4-8]	Pars Distalis	Adenoma Cyst	Minimal
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus [Polyp Stromal TGLS = 6-10]	Endometrium	Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 381 **TRT#:** 8 **SEX:** Female **DAY ON TEST:** 729
DOSE: 252 MG/KG **DISP:** Terminal Sacrifice **HISTO:** 9901671

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Intestine Large, Rectum		Myxomatous Change	Minimal
* Kidney	Renal Tubule	Necrosis	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Granulomatous, Minimal
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
[Inflammation TGLS = 2-3+4]			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 3-12]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland		Cyst	Mild
	Pars Distalis	Hyperplasia	Focal, Minimal
* Spleen	Lymph Follic	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 382

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 252 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901672

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Mild
[Inflammation TGLS = 3-11]			
* Heart	Myocardium	Degeneration	Mild
* Intestine Large, Rectum		Myxomatous Change	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 5-6+7]		Inflammation	Granulomatous, Minimal
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Moderate
[Inflammation TGLS = 6-3+4]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 2-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-8]			
* Spleen		Hyperplasia	Lymphohistiocytic, Moderate
[Hyperplasia TGLS = 4-5]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus	Cervix, Endometrium	Hyperplasia	Moderate
[Hyperplasia TGLS = 1-11]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:04

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 382

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 252 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901672

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 383	TRT#: 8	SEX: Female	DAY ON TEST: 588
	DOSE: 252 MG/KG	DISP: Moribund Sacrifice	HISTO: 9901673

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Nose	* Ovary
* Pancreas	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Brain	Hypothalamus	Compression Hydrocephalus	Moderate Moderate
* Clitoral Gland		Inflammation	Chronic, Mild
* Heart	Myocardium	Degeneration	Minimal
* Intestine Large, Rectum		Infiltration Cellular Myxomatous Change	Histiocyte, Mild Mild
* Liver		Basophilic Focus Inflammation	Granulomatous, Minimal
* Lymph Node, Mesenteric		Mixed Cell Focus Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Adenolipoma Fibroadenoma	
[Adenolipoma TGLS = 2-12] [Fibroadenoma TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Spleen	Lymph Follic	Atrophy Hematopoietic Cell Proliferation	Mild Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:04

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 384

TRT#: 8

SEX: Female

DAY ON TEST: 678

DOSE: 252 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901674

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Brain		Hydrocephalus	Moderate
* Intestine Large, Rectum		Myxomatous Change	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6+7]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Mild
[Inflammation TGLS = 4-3+4]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Spleen	Lymph Follic	Atrophy	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Squamous, Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 385

TRT#: 8

SEX: Female

DAY ON TEST: 273

DOSE: 252 MG/KG

DISP: Dosing Accident

HISTO: 9901675

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart	Myocardium	Degeneration	Minimal
* Liver		Hepatodiaphragmatic Nodule Inflammation	Granulomatous, Minimal
	[Hepatodiaphragmatic Nodule TGLS = 2-12]		
* Lung		Hemorrhage	Moderate
	[Hemorrhage TGLS = 3-3+4]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLS = 1-11]		
* Spleen	Lymph Follic	Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 386

TRT#: 8

SEX: Female

DAY ON TEST: 680

DOSE: 252 MG/KG

DISP: Dosing Accident

HISTO: 9901676

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart	Myocardium	Degeneration	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Inflammation	Granulomatous, Minimal
	Alveolus	Hemorrhage	Moderate
		Inflammation	Acute, Moderate
	[Hemorrhage TGLS = 3-3+4]		
	[Inflammation TGLS = 3-3+4]		
* Lymph Node, Mesenteric		Ectasia	Minimal
		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Histiocyte, Minimal
	[Ectasia TGLS = 6-6]		
	[Hyperplasia TGLS = 6-6]		
* Mammary Gland	Duct	Dilatation	Moderate
		Hyperplasia	Focal, Mild
* Ovary		Cyst	Moderate
		Inflammation	Granulomatous, Mild
	[Cyst TGLS = 4-10]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 5-8]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 386	TRT#: 8	SEX: Female	DAY ON TEST: 680
	DOSE: 252 MG/KG	DISP: Dosing Accident	HISTO: 9901676

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Lymph Follic	Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 387

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 252 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901677

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Brain	Hypothalamus	Compression	Mild
		Hydrocephalus	Minimal
* Clitoral Gland		Inflammation	Chronic, Minimal
* Heart	Myocardium	Degeneration	Minimal
* Intestine Large, Rectum		Infiltration Cellular	Histiocyte, Minimal
		Myxomatous Change	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
[Hepatodiaphragmatic Nodule TGLS = 4-6]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
Lymph Node			
Note: Lymph Node, Mediastinal is Normal.			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland	Duct	Dilatation	Marked
		Fibroadenoma	
[Dilatation TGLS = 1-11]			
[Fibroadenoma TGLS = 1-11]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 387	TRT#: 8	SEX: Female	DAY ON TEST: 729
	DOSE: 252 MG/KG	DISP: Terminal Sacrifice	HISTO: 9901677

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 2-8]	Pars Distalis	Adenoma	
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus [Polyp Stromal TGLS = 3-10]		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:04

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 388

TRT#: 8

SEX: Female

DAY ON TEST: 660

DOSE: 252 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901678

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Intestine Large, Rectum		Leukemia Mononuclear	
		Myxomatous Change	Minimal
* Kidney		Leukemia Mononuclear	
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Moderate
		Leukemia Mononuclear	
[Inflammation TGLS = 5-3+4]			
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-13]			
[Leukemia Mononuclear TGLS = 7-14]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6]			
* Mammary Gland	Duct	Dilatation	Mild
* Pituitary Gland		Cyst	Minimal
	Pars Distalis	Hyperplasia	Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 388	TRT#: 8	SEX: Female	DAY ON TEST: 660
	DOSE: 252 MG/KG	DISP: Moribund Sacrifice	HISTO: 9901678

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 6-8]			
* Salivary Glands	Parotid GI	Atrophy	Diffuse, Moderate
* Skin		Leukemia Mononuclear Ulcer	Mild
[Leukemia Mononuclear TGLS = 1-11]			
[Ulcer TGLS = 1-11]			
* Spleen	Lymph Follic	Atrophy Leukemia Mononuclear	Mild
[Leukemia Mononuclear TGLS = 2-12]			
* Thyroid Gland	C Cell	Adenoma	
Vagina	Epithelium	Infiltration Cellular Vacuolization Cytoplasmic	Polymorphnuclr, Mild Moderate
Note: Vagina had mucous hyperplasia.			
[Vacuolization Cytoplasmic TGLS = 3-12]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 389

TRT#: 8

SEX: Female

DAY ON TEST: 139

DOSE: 252 MG/KG

DISP: Dosing Accident

HISTO: 9901679

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Rectum

OBSERVATIONS

* Heart	Myocardium	Degeneration	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Liver		Inflammation	Granulomatous, Minimal
* Lung		Hemorrhage	Marked
[Hemorrhage TGLS = 1-3+4]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 2-6]			
* Spleen	Lymph Follic	Atrophy	Mild
* Stomach, Glandular		Pigmentation	Hemosiderin, Minimal
[Pigmentation TGLS = 3-6]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 390

TRT#: 8

SEX: Female

DAY ON TEST: 379

DOSE: 252 MG/KG

DISP: Natural Death

HISTO: 9901680

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Mammary Gland
* Nose	* Ovary	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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AUTO PRECLUDES DIAG.

* Intestine Large, Rectum

OBSERVATIONS

* Brain		Oligodendroglioma Malignant	
[Oligodendroglioma Malignant TGLS = 3-9]			
* Heart	Myocardium	Degeneration	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Necrosis	Focal, Mild
[Necrosis TGLS = 1-7]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-11]			
* Pancreas	Acinus	Atrophy	Minimal
* Spleen	Lymph Follic	Atrophy	Moderate

PRIMARY CAUSE OF DEATH

- Brain Oligodendroglioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 391

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 252 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901681

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart	Myocardium	Degeneration	Minimal
* Intestine Large, Rectum		Infiltration Cellular	Histiocyte, Minimal
		Myxomatous Change	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Mild
	[Inflammation TGLS = 6-3+4]		
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 1,2,3,5-11+12+13+14]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 4-8]		
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:04

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 392

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 252 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901682

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Nose
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Clitoral Gland		Adenoma	
[Adenoma TGLS = 3-10]			
* Intestine Large, Rectum		Inflammation	Acute, Focal, Mild
		Myxomatous Change	Minimal
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Minimal
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland	Duct	Dilatation	Minimal
		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland		Cyst	Minimal
[Cyst TGLS = 2-8]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 393

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 252 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901683

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Heart	Myocardium	Degeneration	Mild
* Intestine Large, Rectum		Myxomatous Change	Minimal
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Mild
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Moderate
[Inflammation TGLS = 5-3+4]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-12]			
* Pituitary Gland		Cyst	Mild
[Cyst TGLS = 6-8]			
* Spleen	Lymph Follic	Atrophy	Mild
		Hyperplasia	Lymphohistiocytosis, Moderate
[Hyperplasia TGLS = 1,3,4-5+11]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
[Hyperplasia TGLS = 7-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 394

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 252 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901684

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Heart	Myocardium	Degeneration	Minimal
* Intestine Large, Rectum		Infiltration Cellular	Histiocyte, Minimal
		Myxomatous Change	Minimal
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Minimal
[Basophilic Focus TGLS = 1,2-7+6+11]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland	Duct	Dilatation	Minimal
* Pituitary Gland		Cyst	Minimal
	Pars Distalis	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 3-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:04

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 395

TRT#: 8

SEX: Female

DAY ON TEST: 656

DOSE: 252 MG/KG

DISP: Natural Death

HISTO: 9901685

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Thymus
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AUTO PRECLUDES DIAG.

* Intestine Large, Rectum

OBSERVATIONS

* Clitoral Gland		Cyst	Mild
* Heart	Myocardium	Degeneration	Mild
* Liver		Hepatodiaphragmatic Nodule	
	[Hepatodiaphragmatic Nodule TGLS = 2-12]		
* Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
* Mammary Gland	Duct	Dilatation	Mild
* Pituitary Gland		Cyst	Mild
	Pars Distalis	Hyperplasia	Focal, Minimal
	[Cyst TGLS = 3-8]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Glandular		Ulcer	Moderate
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLS = 1-11]		

PRIMARY CAUSE OF DEATH

- Uterus Polyp Stromal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 396

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 252 MG/KG

DISP: Terminal Sacrifice

HISTO: 9901686

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Clitoral Gland	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Intestine Large, Rectum		Myxomatous Change	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
[Basophilic Focus TGLS = 2-6+7+11]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland	Duct	Dilatation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 1-8]			
* Spleen	Lymph Follic	Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 397

TRT#: 8

SEX: Female

DAY ON TEST: 720

DOSE: 252 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901687

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart	Myocardium	Degeneration	Minimal
* Intestine Large, Rectum		Infiltration Cellular	Histiocyte, Minimal
		Myxomatous Change	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Mixed Cell Focus	
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Moderate
			[Inflammation TGLS = 5-3+4]
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
			[Fibroadenoma TGLS = 1,2,3-11+12+13]
Mesentery	Fat	Necrosis	Minimal
			[Necrosis TGLS = 7-11]
* Pituitary Gland	Pars Distalis	Mineralization	Mild
			[Mineralization TGLS = 6-8]
* Spleen	Lymph Follic	Atrophy	Minimal
		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
Vagina		Leiomyosarcoma	
			[Leiomyosarcoma TGLS = 4-14]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Elmiron (sodium pentosanpolysulfate)

CAS Number: 37319-17-8

Date Report Requested: 10/22/2014

Time Report Requested: 03:09:04

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 397

TRT#: 8

SEX: Female

DAY ON TEST: 720

DOSE: 252 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901687

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Vagina Leiomyosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 398

TRT#: 8

SEX: Female

DAY ON TEST: 723

DOSE: 252 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901688

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Brain	Hypothalamus	Compression	Minimal
		Hydrocephalus	Mild
* Intestine Large, Rectum		Infiltration Cellular	Histiocyte, Minimal
		Myxomatous Change	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
	[Hepatodiaphragmatic Nodule TGLS = 5-11]		
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Marked
	[Inflammation TGLS = 6-3+4]		
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 2-13]		
Mesentery	Fat	Necrosis	Moderate
	[Necrosis TGLS = 3-12]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-8]		
* Spleen	Lymph Follic	Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 398	TRT#: 8	SEX: Female	DAY ON TEST: 723
	DOSE: 252 MG/KG	DISP: Moribund Sacrifice	HISTO: 9901688

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular [Ulcer TGLS = 7-6+11]		Hematopoietic Cell Proliferation Ulcer	Minimal Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus [Hyperplasia TGLS = 4-10]	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 399

TRT#: 8

SEX: Female

DAY ON TEST: 518

DOSE: 252 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901689

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Liver		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 4-12]			
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Mild
		Leukemia Mononuclear	
[Inflammation TGLS = 5-3+4]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-14]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-11]			
* Mammary Gland	Duct	Dilatation	Minimal
		Hyperplasia	Focal, Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 1-13]			
* Pituitary Gland		Cyst	Mild
	Pars Distalis	Hyperplasia	Focal, Minimal
[Cyst TGLS = 6-8]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 399	TRT#: 8	SEX: Female	DAY ON TEST: 518
	DOSE: 252 MG/KG	DISP: Moribund Sacrifice	HISTO: 9901689

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-5]

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 400	TRT#: 8	SEX: Female	DAY ON TEST: 667
	DOSE: 252 MG/KG	DISP: Moribund Sacrifice	HISTO: 9901690

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	Peripheral Nerve
* Salivary Glands	* Skin	Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Heart	Myocardium	Degeneration	Minimal
* Intestine Large, Rectum		Infiltration Cellular	Histiocyte, Minimal
		Myxomatous Change	Minimal
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Minimal
* Lung	Alveolus	Inflammation	Chronic Active, Focal, Mild
[Inflammation TGLS = 4-3+4]			
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mediastinal	Hyperplasia	Lymphoid, Mild
[Hemorrhage TGLS = 5-16]			
[Hyperplasia TGLS = 5-16]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Cyst	Minimal
[Adenoma TGLS = 3-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder		Hemorrhage	Moderate
[Hemorrhage TGLS = 1-5]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 88122-06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Elmiron (sodium pentosanpolysulfate)
CAS Number: 37319-17-8

Date Report Requested: 10/22/2014
Time Report Requested: 03:09:04
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 400

TRT#: 8

SEX: Female

DAY ON TEST: 667

DOSE: 252 MG/KG

DISP: Moribund Sacrifice

HISTO: 9901690

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Endometrium

Hyperplasia

Cystic, Minimal

PRIMARY CAUSE OF DEATH

- Urinary Bladder Hemorrhage

**** END OF REPORT ****

* PROTOCOL REQUIRED TISSUE