

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:17
First Dose M/F: NA / NA
Lab: MBA

C Number:	C60128
Lock Date:	Not Entered.
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	03/31/1989

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 1	TRT#: 1	SEX: Male	DAY ON TEST: 611
	DOSE: CONTROL MALE	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Adrenal Gland - Medulla

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Kidney		Nephropathy	Mild
Liver		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Mild
Lung		Congestion	Moderate
		Infiltration Cellular	Histiocyte, Mild
		Pigmentation	Mild
Note: PIGMENT	TGLs = 1-6+7		
Note: CONGESTION	TGLs = 1-6+7		
Nose		Fungus	Moderate
		Inflammation	Suppurative, Mild
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
Stomach	Glandular	Degeneration	Cystic, Minimal
Testes	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 2	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: CONTROL MALE	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multifocal, Minimal
Nose		Inflammation	Suppurative, Mild
Preputial Gland		Inflammation	Chronic, Mild
Spleen		Fibrosis	Marked
		Sarcoma	

Note: SARCOMA HAS FEATURES OF OSTEOSARCOMA AND FIBROSARCOMA.

Note: SARCOMA TGLs = 2-12

Stomach	Glandular	Degeneration	Cystic, Minimal
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Testes	Interstit Cell	Adenoma	
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Note: ADENOMA TGLs = 1-5

Thymus	Epithel Cell	Hyperplasia	Mild
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PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 3	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: CONTROL MALE	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Thymus
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INSUFFICIENT TISSUE

Intestine Large - Rectum

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
	Medulla	Pheochromocytoma Malignant	
Note: [PHEOCHROM MAL] TGLs = 4-12			
Kidney		Nephropathy	Mild
Liver		Fatty Change	Multifocal, Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multifocal, Minimal
Lung		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Stomach	Glandular	Degeneration	Cystic, Minimal
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA TGLs = 1-5			

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 4

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Preputial Gland	Salivary Glands
Seminal Vesicle	Spleen	Stomach - Forestomach	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
	Cortex	Vacuolization Cytoplasmic	Focal, Minimal
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multifocal, Minimal
Lung	Alveolar Epith	Hyperplasia	Focal, Mild
Prostate		Hyperplasia	Focal, Mild
Skin		Basal Cell Adenoma	
		Fibrosis	Focal, Moderate
Note: FIBROSIS TGLs = 1-13			
Stomach	Glandular	Degeneration	Cystic, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2-5+12			
Thymus	Epithel Cell	Hyperplasia	Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 5	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: CONTROL MALE	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Multifocal, Minimal
Lung		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Lymph Node	Mesenteric, Sinus	Ectasia	Mild
Preputial Gland		Adenoma	
		Inflammation	Chronic, Mild
Stomach	Glandular	Degeneration	Cystic, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 1-5+12		
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:17
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 6	TRT#: 1 DOSE: CONTROL MALE	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Bilateral, Cortex Cortex	Hyperplasia Vacuolization Cytoplasmic	Focal, Moderate Focal, Minimal
Heart	Atrium	Thrombosis	Moderate
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Minimal
Lung		Congestion	Mild
Pituitary Gland [Adenoma TGLS = 1-12]	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Chronic Active, Marked
Stomach	Glandular	Degeneration	Cystic, Minimal
Testes	Arteriole	Inflammation	Chronic, Minimal
Thymus	Epithel Cell	Hyperplasia	Mild
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 7	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: CONTROL MALE	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mandibular	Thymus
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OBSERVATIONS

Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multifocal, Minimal
Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Stomach	Glandular	Degeneration	Cystic, Minimal
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 8	TRT#: 1 DOSE: CONTROL MALE	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Eye		Cataract	Marked
	Retina	Degeneration	Moderate
	Sclera	Metaplasia	Osseous, Mild
Note: CATARACT	TGLs = 7-15		
Heart		Cardiomyopathy	Mild
Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
Liver		Angiectasis	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-3		
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 6-6+7		
Lymph Node	Bronchial	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-14		
Note: LEUKEMIA MONUC	TGLs = 5-12		
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 1,2-13		
Stomach	Glandular	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:17
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 8	TRT#: 1 DOSE: CONTROL MALE	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO:
ORGAN AND ACCOUNTABLE SITE STATUS			
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Thymus		Hemorrhage	Mild
	Epithel Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 9	TRT#: 1 DOSE: CONTROL MALE	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Note: NEPHROPATHY TGLs = 4-4			
Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
Lung		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Stomach	Glandular	Degeneration	Cystic, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
		Hypospermia	Marked
Note: HYOSPERMIA TGLs = 3-5			
Note: ADENOMA TGLs = 1,2-5+12			
Thymus	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla

Bone Marrow

Brain

Epididymis

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Lung

Lymph Node - Mandibular

Lymph Node - Mesenteric

Mammary Gland

Pancreas

Parathyroid Gland

Pituitary Gland

Preputial Gland

Salivary Glands

Seminal Vesicle

Skin

Spleen

Stomach - Forestomach

Thymus

Thyroid Gland

Trachea

Urinary Bladder

OBSERVATIONS

Adrenal Gland

Cortex

Vacuolization Cytoplasmic

Focal, Mild

Heart

Cardiomyopathy

Mild

Kidney

Nephropathy

Minimal

Liver

Bile Duct

Hyperplasia

Mild

Lymph Node

Mediastinal

Hemorrhage

Mild

Nose

Inflammation

Suppurative, Mild

Prostate

Inflammation

Chronic, Mild

Stomach

Glandular

Degeneration

Cystic, Minimal

Testes

Bilateral, Interstit Cell

Adenoma

Note: ADENOMA TGLs = 1-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:17
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 11 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 729
DOSE: CONTROL MALE **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-3			
Lung		Leukemia Mononuclear	
Lymph Node	Mesenteric, Sinus	Ectasia	Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-12			
Stomach	Glandular	Degeneration	Cystic, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1,2-5+13			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:17
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 12	TRT#: 1	SEX: Male	DAY ON TEST: 419
	DOSE: CONTROL MALE	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Epididymis	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Islets, Pancreatic	Kidney	Liver	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Parathyroid Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Preputial Gland	Thymus
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AUTO PRECLUDES DIAG.

Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Pancreas
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OBSERVATIONS

Bone Marrow		Atrophy	Moderate
Brain		Carcinoma	Metastatic (Pituitary Gland)
Lung		Congestion	Moderate
Note: CONGESTION	TGLs = 1-6+7		
Nose		Congestion	Moderate
		Hemorrhage	Moderate
Pituitary Gland	Pars Distalis	Carcinoma	
Note: CARCINOMA	TGLs = 2-1		

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Intestine Large - Rectum
Islets, Pancreatic
Pancreas
Seminal Vesicle
Trachea

Adrenal Gland - Medulla
Esophagus
Intestine Small - Duodenum
Lymph Node - Mandibular
Parathyroid Gland
Spleen
Urinary Bladder

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mesenteric
Preputial Gland
Stomach - Forestomach

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Nose
Salivary Glands
Thyroid Gland

MISSING

Mammary Gland

OBSERVATIONS

Heart
Kidney
Liver

Lung
Pituitary Gland
 [Adenoma TGLS = 6-1]
Prostate
Skin
 Note: FIBROSARC TGLs = 1-12
Stomach
Testes
 Note: ADENOMA TGLs = 3,4-5
Thymus

Bile Duct

Pars Distalis

Subcut Tiss

Glandular
Bilateral, Interstit Cell

Epithel Cell

Cardiomyopathy
Nephropathy
Hyperplasia
Inflammation
Hemorrhage
Adenoma

Hyperplasia
Fibrosarcoma

Degeneration
Adenoma

Hyperplasia

Mild
Mild
Mild
Granulomatous, Multifocal, Minimal
Mild

Focal, Mild

Cystic, Minimal

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:17
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 595

DOSE: CONTROL MALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Epididymis
Esophagus	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Nose	Pancreas
Parathyroid Gland	Skin	Thyroid Gland	Trachea

MISSING

Mammary Gland

OBSERVATIONS

Brain	Brain Stem	Pigmentation	Hemosiderin, Minimal
Heart		Leukemia Mononuclear	
Intestine Large	Cecum	Leukemia Mononuclear	
Intestine Small	Duodenum	Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 2-3		
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-8		
Mesentery		Leukemia Mononuclear	
	Fat	Necrosis	Focal, Marked
Note: NECROSIS	TGLs = 3-13		
Pituitary Gland		Cyst	
Preputial Gland	Duct	Ectasia	Moderate
Prostate		Leukemia Mononuclear	
Salivary Glands		Leukemia Mononuclear	
Seminal Vesicle		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 1-12		
Stomach	Glandular	Degeneration	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:17
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 595

DOSE: CONTROL MALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Forestomach

Leukemia Mononuclear

Glandular

Leukemia Mononuclear

Testes

Bilateral, Interstit Cell

Adenoma

Thymus

Leukemia Mononuclear

Urinary Bladder

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 463

DOSE: CONTROL MALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

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

Prostate

Salivary Glands

Seminal Vesicle

Skin

Spleen

Stomach - Forestomach

Testes

Thymus

Trachea

Urinary Bladder

MISSING

Preputial Gland

OBSERVATIONS

Bone Marrow

Atrophy

Moderate

Brain

Brain Stem

Compression

Moderate

Liver

Bile Duct

Hyperplasia

Mild

Lung

Infiltration Cellular

Histiocyte, Minimal

Pigmentation

Minimal

Mammary Gland

Duct

Ectasia

Moderate

Mesentery

Fat

Necrosis

Multifocal, Marked

Note: NECROSIS TGLs = 3,4-12+13

Pituitary Gland

Pars Distalis

Adenoma

Note: ADENOMA TGLs = 2-1

Stomach

Glandular

Degeneration

Cystic, Minimal

Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 549

DOSE: CONTROL MALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Nose
Prostate
Spleen
Urinary Bladder

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Lung
Pancreas
Salivary Glands
Stomach - Glandular

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Parathyroid Gland
Seminal Vesicle
Thymus

Epididymis
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Preputial Gland
Skin
Trachea

MISSING

Mammary Gland

OBSERVATIONS

Brain
Eye
Kidney
Liver
Pituitary Gland
[Adenoma TGLS = 2-1]

Brain Stem
Sclera
Centrilobular
Pars Distalis

Compression
Metaplasia
Nephropathy
Fatty Change
Adenoma

Moderate
Osseous, Mild
Mild
Moderate
Focal, Mild
Chronic, Focal, Mild

Stomach

Forestomach
Forestomach

Hyperplasia
Inflammation

Note: HYPERPLASIA TGLs = 3-8
Note: INFLAMMATION TGLs = 3-8

Testes

Granuloma Sperm
Hypospermia

Moderate
Marked

Note: HYOSPERMIA TGLs = 1-5

Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Intestine Large - Rectum
Islets, Pancreatic
Parathyroid Gland
Skin
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Small - Duodenum
Lymph Node - Mesenteric
Prostate
Spleen

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Mammary Gland
Salivary Glands
Stomach - Forestomach

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Pancreas
Seminal Vesicle
Trachea

MISSING

Preputial Gland

OBSERVATIONS

Heart
Kidney
Liver
Lung
Lymph Node
Nose
Pituitary Gland
[Cyst TGLS = 2-1]
Stomach
Testes
Note: ADENOMA TGLs = 1-5
Thymus
Thyroid Gland

Bile Duct
Mediastinal
Mandibular

Glandular
Bilateral, Interstit Cell

Epithel Cell
C Cell

Cardiomyopathy
Nephropathy
Hyperplasia
Inflammation
Infiltration Cellular
Pigmentation
Hemorrhage
Hyperplasia
Inflammation
Cyst

Degeneration
Adenoma

Hyperplasia
Adenoma

Mild
Mild
Mild
Granulomatous, Multifocal, Minimal
Histiocyte, Minimal
Minimal
Mild
Plasma Cell, Mild
Suppurative, Mild

Cystic, Mild

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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	Pancreas
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Lymph Node - Mesenteric	Mammary Gland	Parathyroid Gland	Preputial Gland
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INSUFFICIENT TISSUE

Intestine Large - Rectum

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multifocal, Minimal
Lung	Alveolar Epith	Hyperplasia	Focal, Mild
		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Mesentery	Fat	Necrosis	Multifocal, Marked
Note: NECROSIS TGLs = 1,2-12+13			
Nose		Inflammation	Suppurative, Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
Prostate		Hyperplasia	Focal, Mild
Stomach	Glandular	Degeneration	Cystic, Minimal
Testes	Interstit Cell	Adenoma	
Thymus	Epithel Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:17
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 603

DOSE: CONTROL MALE

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland	Pituitary Gland	Preputial Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Diffuse, Mild
Kidney		Nephropathy	Minimal
Liver		Congestion	Mild
	Centrilobular	Necrosis	Mild
Note: NECROSIS	TGLs = 2-3		
Lung		Fibrosarcoma	Metastatic (Skin)
Note: FIBROSARC	TGLs = 3-6+7		
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC	TGLs = 1-12		
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Thymus	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:17
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 20 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 729
DOSE: CONTROL MALE **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mandibular	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Kidney	Renal Tubule	Carcinoma	
		Nephropathy	Mild
Note: [CARCINOMA] TGLs = 2-12			
Liver		Angiectasis	Mild
		Fatty Change	Focal, Mild
	Centrilobular	Necrosis	Minimal
Note: NECROSIS TGLs = 3-3			
Lung		Infiltration Cellular	Histiocyte, Minimal
	Interstitium	Inflammation	Minimal
		Pigmentation	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Carcinoma	
Note: CARCINOMA TGLs = 1-13			
Spleen		Hematopoietic Cell Proliferation	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Thymus	Epithel Cell	Hyperplasia	Mild
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:17
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Adrenal Gland - Medulla

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Mild
Lung		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Mesentery	Fat	Necrosis	Focal, Marked
Note: NECROSIS	TGLs = 3-13		
Nose		Fungus	Moderate
		Inflammation	Suppurative, Mild
Prostate		Hyperplasia	Focal, Mild
Stomach	Glandular	Degeneration	Cystic, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 1,2-5+12		
Thymus	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:17
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 22	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: CONTROL MALE	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Adrenal Gland - Medulla	Mammary Gland
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OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Mild
Lung	Alveolar Epith	Hyperplasia	Focal, Mild
		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Lymph Node	Mediastinal	Hemorrhage	Mild
Mesentery	Fat	Necrosis	Focal, Marked
Note: NECROSIS TGLs = 2-13			
Pancreas	Acinus	Atrophy	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1-5+12			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 23

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Bone Marrow

Brain

Epididymis

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Lymph Node - Mandibular

Lymph Node - Mesenteric

Mammary Gland

Pancreas

Parathyroid Gland

Pituitary Gland

Preputial Gland

Prostate

Salivary Glands

Seminal Vesicle

Skin

Spleen

Stomach - Forestomach

Thymus

Thyroid Gland

Trachea

Urinary Bladder

MISSING

Adrenal Gland - Medulla

OBSERVATIONS

Heart

Cardiomyopathy

Mild

Kidney

Nephropathy

Mild

Liver

Basophilic Focus

Mild

Hepatodiaphragmatic Nodule

Bile Duct

Hyperplasia

Mild

Note: ANOM HEPAT LOB TGLs = 2-3

Lung

Infiltration Cellular

Histiocyte, Minimal

Pigmentation

Minimal

Nose

Fungus

Moderate

Inflammation

Suppurative, Moderate

Stomach

Glandular

Degeneration

Cystic, Minimal

Testes

Bilateral, Interstit Cell

Adenoma

Note: ADENOMA TGLs = 1-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
Lung	Alveolar Epith	Hyperplasia	Focal, Mild
		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Stomach	Glandular	Degeneration	Cystic, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	

Note: ADENOMA TGLs = 1,2-5+12

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:17
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 478

DOSE: CONTROL MALE

DISP: Gavage Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland Thymus

OBSERVATIONS

Liver	Centrilobular	Fatty Change	Minimal
Lung		Hemorrhage	Mild
		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Note: HEMORRHAGE TGLs = 2-6+7			
Mesentery	Fat	Necrosis	Focal, Moderate
Note: NECROSIS TGLs = 1-12			
Stomach	Glandular	Degeneration	Cystic, Minimal
Testes	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:17
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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
Pancreas	Parathyroid Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Trachea	Urinary Bladder		

MISSING

Mammary Gland

INSUFFICIENT TISSUE

Intestine Large - Rectum

OBSERVATIONS

Adrenal Gland	Cortex	Atrophy	Marked
	Medulla	Pheochromocytoma Benign	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Note: ATROPHY TGLs = 4-4			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
		Leukocytosis	Mild
Lung		Infiltration Cellular	Histiocyte, Mild
		Pigmentation	Minimal
Lymph Node	Inguinal, Sinus	Ectasia	Moderate
Note: ECTASIA TGLs = 2-12			
Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
Pituitary Gland		Hemorrhage	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
[Hemorrhage TGLS = 6-1]			
Preputial Gland		Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:17
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 26	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: CONTROL MALE	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: CARCINOMA	TGLs = 1,2+12+13			
Stomach		Glandular	Degeneration	Cystic, Minimal
Testes		Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 3-5			
Thymus		Epithel Cell	Hyperplasia	Mild
Thyroid Gland		C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:17
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

INSUFFICIENT TISSUE

Intestine Large - Rectum

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	Mild
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multifocal, Minimal
Note: ANOM HEPAT LOB TGLs = 2-12			
Lung	Alveolar Epith	Hyperplasia	Focal, Mild
Lymph Node	Mesenteric	Hemorrhage	Mild
Nose		Hemorrhage	Mild
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Stomach	Glandular	Degeneration	Cystic, Mild
Testes	Interstit Cell	Adenoma	
		Hypospermia	Marked
Note: ADENOMA TGLs = 1-13			
Thymus	Epithel Cell	Hyperplasia	Mild
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Small - Ileum
Lymph Node - Mesenteric
Parathyroid Gland
Salivary Glands
Stomach - Forestomach
Urinary Bladder

Bone Marrow
Intestine Large - Cecum
Intestine Small - Jejunum
Mammary Gland
Pituitary Gland
Seminal Vesicle
Thymus

Brain
Intestine Large - Colon
Islets, Pancreatic
Nose
Preputial Gland
Skin
Thyroid Gland

Epididymis
Intestine Large - Rectum
Lymph Node - Mandibular
Pancreas
Prostate
Spleen
Trachea

OBSERVATIONS

Adrenal Gland
Note: PHEOCHROM BGN TGLs = 2-13
Heart
Intestine Small
Kidney
Liver
Lung
Stomach
Testes
Note: ADENOMA TGLs = 1-5+12

Medulla
Atrium
Artery, Duodenum
Bile Duct
Interstitialium
Glandular
Bilateral, Interstit Cell

Pheochromocytoma Benign
Cardiomyopathy
Thrombosis
Inflammation
Nephropathy
Hyperplasia
Inflammation
Inflammation
Degeneration
Adenoma

Mild
Moderate
Chronic, Moderate
Moderate
Mild
Granulomatous, Multifocal, Minimal
Minimal
Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Adrenal Gland - Medulla	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Minimal
Lung		Inflammation	Granulomatous, Multifocal, Mild
Note: INFLAMMATION	TGLs = 3-6+7		
Lymph Node	Mediastinal, Sinus	Ectasia	Mild
Pancreas	Acinus	Atrophy	Mild
Stomach	Glandular	Degeneration	Cystic, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 1-5		
Thymus	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Bone Marrow

Brain

Epididymis

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Lymph Node - Mesenteric

Mammary Gland

Nose

Pancreas

Parathyroid Gland

Pituitary Gland

Prostate

Salivary Glands

Seminal Vesicle

Spleen

Stomach - Forestomach

Thymus

Thyroid Gland

Trachea

Urinary Bladder

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Adrenal Gland

Medulla

Pheochromocytoma Benign

Heart

Cardiomyopathy

Mild

Kidney

Renal Tubule

Adenoma

Nephropathy

Mild

Liver

Bile Duct

Hyperplasia

Minimal

Inflammation

Granulomatous, Multifocal, Minimal

Lung

Alveolar Epith

Hyperplasia

Focal, Mild

Infiltration Cellular

Histiocyte, Minimal

Pigmentation

Minimal

Inflammation

Chronic Active, Marked

Preputial Gland

Note: INFLAMMATION TGLs = 1-8+12

Skin

Note: PAPILLOMA SQUA TGLs = 2-13

Squamous Cell Papilloma

Stomach

Glandular

Degeneration

Cystic, Mild

Testes

Bilateral, Interstit Cell

Adenoma

Note: ADENOMA TGLs = 3-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Pancreas	Parathyroid Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Trachea	Urinary Bladder		

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex Bilateral, Medulla Cortex	Hyperplasia Pheochromocytoma Benign Vacuolization Cytoplasmic	Focal, Mild Multifocal, Mild
Note: PHEOCHROM BGN TGLs = 2-4+13			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Note: NEPHROPATHY TGLs = 3-4			
Liver	Bile Duct	Hyperplasia Leukemia Mononuclear	Mild
Lung		Infiltration Cellular Leukemia Mononuclear Pigmentation	Histiocyte, Minimal Minimal
Nose		Inflammation	Suppurative, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 4-12			
Spleen		Congestion Leukemia Mononuclear	Moderate
Stomach	Glandular Forestomach	Degeneration Inflammation	Cystic, Minimal Chronic Active, Mild
Testes	Interstit Cell	Hyperplasia	Mild
Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Kidney		Nephropathy	Moderate
Liver		Angiectasis	Mild
Lung		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Mesentery	Fat	Necrosis	Focal, Marked
Note: NECROSIS TGLs = 3-14			
Pituitary Gland	Pars Distalis	Adenoma	
Skin		Cyst Epithelial Inclusion	
Note: CYST EPITH INC TGLs = 1-13			
Stomach	Glandular	Degeneration	Cystic, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2-5+12			
Thymus	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Heart
Intestine Small - Duodenum
Lung
Nose
Salivary Glands
Stomach - Forestomach
Urinary Bladder

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Pancreas
Seminal Vesicle
Thymus

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Parathyroid Gland
Skin
Thyroid Gland

Epididymis
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Preputial Gland
Spleen
Trachea

MISSING

Adrenal Gland - Medulla

OBSERVATIONS

Esophagus	Wall	Foreign Body Inflammation	Mild Chronic Active, Marked
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus Fatty Change	Mild Diffuse, Mild
	Bile Duct	Hyperplasia Inflammation	Mild Granulomatous, Multifocal, Minimal
Pituitary Gland		Cyst	
Prostate		Hyperplasia	Focal, Mild
Stomach	Glandular	Degeneration	Cystic, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	

Note: ADENOMA TGLs = 1-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:17
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 403

DOSE: CONTROL MALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Intestine Large - Colon
Intestine Small - Jejunum
Nose
Seminal Vesicle
Stomach - Forestomach
Trachea

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Parathyroid Gland
Skin
Stomach - Glandular
Urinary Bladder

Bone Marrow
Heart
Intestine Small - Duodenum
Lymph Node - Mesenteric
Prostate
Spinal Cord
Thymus

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Mammary Gland
Salivary Glands
Spleen
Thyroid Gland

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Kidney
Liver
Lung
Pancreas
Pituitary Gland
Preputial Gland
Testes

Bile Duct
Acinus
Pars Distalis
Interstit Cell

Nephropathy
Hyperplasia
Inflammation
Atrophy
Adenoma
Inflammation
Hyperplasia

Minimal
Mild
Granulomatous, Focal, Mild
Mild
Chronic Active, Mild
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 35

TRT#: 1

SEX: Male

DAY ON TEST: 350

DOSE: CONTROL MALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Nose
Salivary Glands
Stomach - Glandular
Trachea

Bone Marrow
Heart
Intestine Small - Duodenum
Liver
Pancreas
Skin
Testes
Urinary Bladder

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Pituitary Gland
Spleen
Thymus

Epididymis
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Prostate
Stomach - Forestomach
Thyroid Gland

MISSING

Lymph Node - Mandibular

Parathyroid Gland

Preputial Gland

OBSERVATIONS

Adrenal Gland
Kidney
Mammary Gland
Note: ADENOCARC TGLs = 1-13
Seminal Vesicle
Note: INFLAMMATION TGLs = 2-5

Cortex

Vacuolization Cytoplasmic
Nephropathy
Adenocarcinoma

Diffuse, Mild
Minimal

Inflammation

Chronic Active, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 399

DOSE: CONTROL MALE

DISP: Gavage Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Intestine Large - Rectum
Islets, Pancreatic
Parathyroid Gland
Salivary Glands
Stomach - Forestomach
Trachea

Adrenal Gland - Medulla
Esophagus
Intestine Small - Duodenum
Lymph Node - Mandibular
Pituitary Gland
Seminal Vesicle
Stomach - Glandular
Urinary Bladder

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mesenteric
Preputial Gland
Skin
Thymus

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Nose
Prostate
Spleen
Thyroid Gland

MISSING

Mammary Gland

OBSERVATIONS

Heart
Kidney
Liver

Centrilobular
Periportal
Bile Duct

Cardiomyopathy
Nephropathy
Fatty Change
Fibrosis
Hyperplasia
Pigmentation

Mild
Minimal
Mild
Minimal
Mild
Hemosiderin, Minimal

Note: FIBROSIS TGLs = 1-3

Lung

Alveolar Epith

Congestion
Hyperplasia

Mild
Focal, Mild

Note: CONGESTION TGLs = 2-6+7

Pancreas
Testes

Acinus
Interstit Cell

Atrophy
Hyperplasia

Minimal
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:17
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 37	TRT#: 1	SEX: Male	DAY ON TEST: 518
	DOSE: CONTROL MALE	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Islets, Pancreatic	Kidney	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Lymph Node - Mandibular	Mammary Gland
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AUTO PRECLUDES DIAG.

Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
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OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Liver		Congestion	Moderate
	Bile Duct	Hyperplasia	Mild
Lung		Congestion	Moderate
Note: CONGESTION	TGLs = 1-6+7		
Pituitary Gland	Pars Distalis	Adenoma	
Thymus		Hemorrhage	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Brain	Brain Stem	Compression	Moderate
Kidney		Nephropathy	Mild
Note: NEPHROPATHY	TGLs = 3-4		
Liver	Bile Duct	Hyperplasia	Mild
Lung	Alveolar Epith	Hyperplasia	Focal, Mild
		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Lymph Node	Mediastinal	Hemorrhage	Mild
Mesentery	Fat	Necrosis	Focal, Marked
Note: NECROSIS	TGLs = 2-13		
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
Preputial Gland		Carcinoma	
Note: CARCINOMA	TGLs = 1-12		
Stomach	Glandular	Degeneration	Cystic, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
		Hypospermia	Moderate
Thymus	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:17
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Moderate
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
Lung	Alveolar Epith	Hyperplasia	Multifocal, Moderate
Mesentery	Fat	Necrosis	Focal, Marked
Note: NECROSIS	TGLs = 3-14		
Skin	Subcut Tiss	Fibroma	
Note: FIBROMA	TGLs = 1-12		
Stomach	Glandular	Degeneration	Cystic, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 2-5+13		
Thymus	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 505

DOSE: CONTROL MALE

DISP: Gavage Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone Marrow

Harderian Gland

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Lymph Node - Mandibular

Mammary Gland

Nose

Pancreas

Parathyroid Gland

Preputial Gland

Salivary Glands

Seminal Vesicle

Skin

Spleen

Stomach - Forestomach

Thyroid Gland

Trachea

Urinary Bladder

OBSERVATIONS

Brain

Brain Stem

Compression

Mild

Epididymis

Mesothelioma Malignant

Metastatic (Testes)

Note: MESOTHELIO MAL TGLs = 4-5

Esophagus

Hemorrhage

Marked

Note: HEMORRHAGE TGLs = 2-2

Inflammation

Chronic, Moderate

Kidney

Nephropathy

Mild

Liver

Periportal

Fatty Change

Minimal

Note: ANOM HEPAT LOB TGLs = 3-3

Hepatodiaphragmatic Nodule

Lung

Infiltration Cellular

Histiocyte, Minimal

Alveolus, Peribronchiolr

Inflammation

Suppurative, Mild

Bronchiole

Inflammation

Suppurative, Mild

Pigmentation

Minimal

Lymph Node

Mesenteric, Sinus

Ectasia

Mild

Pituitary Gland

Pars Distalis

Carcinoma

Note: [CARCINOMA] TGLs = 1-1

Prostate

Inflammation

Chronic, Moderate

Note: INFLAMMATION TGLs = 5-5

Stomach

Glandular

Degeneration

Cystic, Minimal

Testes

Interstit Cell

Adenoma

Mesothelioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 505

DOSE: CONTROL MALE

DISP: Gavage Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Thymus	Epithel Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

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

Salivary Glands

Seminal Vesicle

Skin

Spleen

Stomach - Forestomach

Trachea

Urinary Bladder

MISSING

Thymus

INSUFFICIENT TISSUE

Intestine Large - Rectum

OBSERVATIONS

Heart

Cardiomyopathy

Mild

Kidney

Nephropathy

Mild

Liver

Basophilic Focus

Mild

Bile Duct

Hyperplasia

Mild

Lung

Infiltration Cellular

Histiocyte, Minimal

Pigmentation

Minimal

Lymph Node

Mandibular, Sinus

Ectasia

Moderate

Mesenteric, Sinus

Ectasia

Mild

Mammary Gland

Fibroadenoma

Note: [FIBROADENOMA] TGLs = 1-13

Pancreas

Acinus

Atrophy

Mild

Pituitary Gland

Pars Distalis

Hyperplasia

Focal, Minimal

Prostate

Hyperplasia

Focal, Mild

Stomach

Glandular

Degeneration

Cystic, Minimal

Testes

Bilateral, Interstit Cell

Adenoma

Note: ADENOMA TGLs = 2-5+12

Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Intestine Large - Rectum
Islets, Pancreatic
Pancreas
Skin
Trachea

Adrenal Gland - Medulla
Esophagus
Intestine Small - Duodenum
Lymph Node - Mandibular
Pituitary Gland
Spleen
Urinary Bladder

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Mammary Gland
Salivary Glands
Stomach - Forestomach

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Nose
Seminal Vesicle
Thyroid Gland

MISSING

Parathyroid Gland

Preputial Gland

Thymus

OBSERVATIONS

Heart
Kidney
Liver
Lung

Lymph Node

Mesentery
Note: NECROSIS TGLs = 2-12
Prostate
Stomach
Testes
Note: ADENOMA TGLs = 1-5

Bile Duct
Alveolar Epith

Mesenteric, Sinus
Mediastinal
Fat

Glandular
Bilateral, Interstit Cell

Cardiomyopathy
Nephropathy
Hyperplasia
Hyperplasia
Infiltration Cellular
Pigmentation
Ectasia
Hemorrhage
Necrosis

Hyperplasia
Degeneration
Adenoma

Mild
Mild
Mild
Focal, Mild
Histiocyte, Minimal
Minimal
Mild
Mild
Focal, Marked

Focal, Moderate
Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Intestine Large - Rectum
Islets, Pancreatic
Parathyroid Gland
Salivary Glands
Stomach - Forestomach
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Small - Duodenum
Lymph Node - Mandibular
Pituitary Gland
Seminal Vesicle
Thymus

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mesenteric
Preputial Gland
Skin
Thyroid Gland

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Nose
Prostate
Spleen
Trachea

MISSING

Mammary Gland

OBSERVATIONS

Heart
Kidney
Liver

Cardiomyopathy
Nephropathy
Basophilic Focus
Fatty Change
Hyperplasia
Hemorrhage
Hyperplasia
Infiltration Cellular
Pigmentation
Necrosis

Mild
Minimal
Mild
Focal, Minimal
Mild
Minimal
Focal, Minimal
Histiocyte, Minimal
Minimal
Focal, Marked

Lung

Bile Duct
Alveolar Epith

Ectopic Tissue

Mesentery

Fat

Note: NECROSIS TGLs = 3-13

Pancreas

Note: FRAGMENT OF SPLEEN IN PANCREAS.

Stomach

Glandular

Degeneration

Cystic, Minimal

Testes

Bilateral, Interstit Cell

Adenoma

Note: ADENOMA TGLs = 1,2-5+12

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 641

DOSE: CONTROL MALE

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Preputial Gland

OBSERVATIONS

Adrenal Gland Note: PHEOCHROM MAL TGLs = 2-12	Medulla	Pheochromocytoma Malignant	
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver	Periportal	Fatty Change	Minimal
	Bile Duct	Hepatodiaphragmatic Nodule	
	Centrilobular	Hyperplasia	Mild
Note: ANOM HEPAT LOB TGLs = 3,4-3+13		Necrosis	Mild
Lung		Congestion	Moderate
Note: CONGESTION TGLs = 6-6+7		Pigmentation	Mild
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mesenteric	Hemorrhage	Mild
Pancreas	Artery	Inflammation	Chronic, Moderate
		Necrosis	Focal, Moderate
Pituitary Gland [Adenoma TGLS = 5-1]	Pars Distalis	Adenoma	
Spleen		Fibrosis	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 641

DOSE: CONTROL MALE

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 1-5+14

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Pancreas
Seminal Vesicle
Urinary Bladder

Bone Marrow
Heart
Intestine Small - Duodenum
Lung
Parathyroid Gland
Skin

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mesenteric
Prostate
Stomach - Forestomach

Epididymis
Intestine Large - Colon
Intestine Small - Jejunum
Nose
Salivary Glands
Trachea

MISSING

Mammary Gland

Thymus

OBSERVATIONS

Adrenal Gland
Kidney
Liver

Cortex

Vacuolization Cytoplasmic
Nephropathy
Hyperplasia
Inflammation

Focal, Minimal
Minimal
Mild
Granulomatous, Multifocal, Minimal

Lymph Node
Pituitary Gland
Preputial Gland
Spleen

Mandibular
Pars Distalis

Hemorrhage
Adenoma
Inflammation
Fibrosis
Fibrosis

Mild
Chronic Active, Mild
Moderate
Mild

Note: [FIBROSIS] TGLs = 2-12
Note: FIBROSIS TGLs = 3,4-12

Stomach
Testes

Glandular
Bilateral, Interstit Cell

Degeneration
Adenoma

Cystic, Minimal

Note: ADENOMA TGLs = 1-5+13

Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Rectum
Lymph Node - Mandibular
Preputial Gland
Skin
Urinary Bladder

Bone Marrow
Heart
Intestine Small - Duodenum
Lymph Node - Mesenteric
Prostate
Spleen

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Pancreas
Salivary Glands
Stomach - Forestomach

Epididymis
Intestine Large - Colon
Intestine Small - Jejunum
Parathyroid Gland
Seminal Vesicle
Trachea

MISSING

Adrenal Gland - Medulla

Mammary Gland

Thymus

OBSERVATIONS

Islets, Pancreatic
Kidney
Liver

Lung

Nose

Pituitary Gland

Stomach

Testes

Note: ADENOMA TGLs = 1-5+12

Thyroid Gland

Bile Duct

Pars Distalis

Glandular

Bilateral, Interstit Cell

Follicular Cel

C Cell

Adenoma

Nephropathy

Basophilic Focus

Hyperplasia

Infiltration Cellular

Pigmentation

Inflammation

Hyperplasia

Degeneration

Adenoma

Adenoma

Hyperplasia

Mild

Mild

Mild

Histiocyte, Minimal

Minimal

Suppurative, Mild

Focal, Mild

Cystic, Minimal

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:17
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Preputial Gland
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Trachea	Urinary Bladder	

MISSING

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
	Cortex	Vacuolization Cytoplasmic	Focal, Minimal
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver	Periportal	Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
Note: FATTY CHANGE	TGLs = 4-3		
Lung	Alveolar Epith	Hyperplasia	Focal, Moderate
Lymph Node	Mediastinal	Hemorrhage	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Prostate		Adenoma	
Stomach	Glandular	Degeneration	Cystic, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
		Hypospermia	Marked
Note: ADENOMA	TGLs = 3-12		
Note: HYOSPERMIA	TGLs = 2-5		
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland Note: ONE ADRENAL MISSING.	Medulla	Hyperplasia	Focal, Mild
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	Mild
	Periportal	Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
Lung	Alveolar Epith	Hyperplasia	Focal, Mild
		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
		Fibroadenoma	
Mammary Gland Note: FIBROADENOMA TGLs = 3-13			
Mesentery Note: NECROSIS TGLs = 2-14	Fat	Necrosis	Focal, Marked
Pituitary Gland		Cyst	
Prostate		Inflammation	Chronic, Mild
Stomach	Glandular	Degeneration	Cystic, Mild
Testes Note: ADENOMA TGLs = 1-5+12	Bilateral, Interstit Cell	Adenoma	
Thymus	Epithel Cell	Hyperplasia	Mild
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Intestine Large - Colon
Intestine Small - Jejunum
Nose
Salivary Glands
Stomach - Forestomach
Trachea

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Parathyroid Gland
Seminal Vesicle
Testes
Urinary Bladder

Bone Marrow
Heart
Intestine Small - Duodenum
Lung
Preputial Gland
Skin
Thymus

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Prostate
Spleen
Thyroid Gland

MISSING

Mammary Gland

OBSERVATIONS

Eye

Cataract

Marked

Retina

Degeneration

Marked

Note: CATARACT TGLs = 1-12

Kidney

Nephropathy

Minimal

Liver

Bile Duct

Hyperplasia

Mild

Lymph Node

Mesenteric, Sinus

Ectasia

Mild

Mesentery

Fat

Necrosis

Focal, Marked

Note: NECROSIS TGLs = 2-13

Pancreas

Acinus

Atrophy

Mild

Pituitary Gland

Pars Distalis

Adenoma

Stomach

Glandular

Degeneration

Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 539

DOSE: CONTROL MALE

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

AUTO PRECLUDES DIAG.

Intestine Small - Jejunum

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 1-6+7		
Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 2-12		
Testes	Bilateral, Interstit Cell	Adenoma	
Thymus		Hemorrhage	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 61

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 44MG/KG LOW MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

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

Mammary Gland

Nose

Pancreas

Parathyroid Gland

Pituitary Gland

Preputial Gland

Salivary Glands

Seminal Vesicle

Stomach - Forestomach

Stomach - Glandular

Trachea

Urinary Bladder

MISSING

Thymus

INSUFFICIENT TISSUE

Intestine Large - Rectum

OBSERVATIONS

Heart

Cardiomyopathy

Mild

Kidney

Nephropathy

Minimal

Liver

Bile Duct

Hyperplasia

Mild

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 4-3+15

Lung

Infiltration Cellular

Histiocyte, Minimal

Inflammation

Granulomatous, Multifocal, Mild

Leukemia Mononuclear

Pigmentation

Minimal

Lymph Node

Mesenteric

Hemorrhage

Mild

Prostate

Hyperplasia

Focal, Mild

Skin

Subcut Tiss

Fibroma

Note: FIBROMA TGLs = 1-14

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 3-12

Testes

Bilateral, Interstit Cell

Adenoma

Note: ADENOMA TGLs = 2-5+13

Thyroid Gland

Follicle

Cyst

Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:17
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 61

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 44MG/KG LOW MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 62

TRT#: 2

SEX: Male

DAY ON TEST: 506

DOSE: 44MG/KG LOW MALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

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

Preputial Gland

Prostate

Salivary Glands

Seminal Vesicle

Skin

Spleen

Thyroid Gland

Trachea

Urinary Bladder

MISSING

Mammary Gland

INSUFFICIENT TISSUE

Lymph Node - Mesenteric

OBSERVATIONS

Brain

Brain Stem

Compression

Moderate

Heart

Cardiomyopathy

Mild

Kidney

Nephropathy

Mild

Note: NEPHROPATHY TGLs = 1-4

Liver

Fatty Change

Diffuse, Marked

Note: FATTY CHANGE TGLs = 2-3

Bile Duct

Hyperplasia

Mild

Lung

Hemorrhage

Minimal

Pituitary Gland

Alveolar Epith

Hyperplasia

Focal, Minimal

[Adenoma TGLS = 4-1]

Pars Distalis

Adenoma

Stomach

Glandular

Degeneration

Cystic, Minimal

Forestomach

Hyperplasia

Focal, Mild

Note: HYPERPLASIA TGLs = 5-8

Testes

Interstit Cell

Hyperplasia

Mild

Hypospermia

Mild

Thymus

Epithel Cell

Hyperplasia

Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 62

TRT#: 2

SEX: Male

DAY ON TEST: 506

DOSE: 44MG/KG LOW MALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 63

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 44MG/KG LOW MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone Marrow

Brain

Epididymis

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Lymph Node - Mandibular

Lymph Node - Mesenteric

Mammary Gland

Nose

Pancreas

Parathyroid Gland

Preputial Gland

Salivary Glands

Seminal Vesicle

Skin

Spleen

Stomach - Forestomach

Thyroid Gland

Trachea

Urinary Bladder

INSUFFICIENT TISSUE

Intestine Large - Rectum

OBSERVATIONS

Heart

Cardiomyopathy

Mild

Atrium

Thrombosis

Mild

Kidney

Nephropathy

Mild

Liver

Bile Duct

Hyperplasia

Mild

Lung

Infiltration Cellular

Histiocyte, Minimal

Pigmentation

Minimal

Pituitary Gland

Cyst

Prostate

Hyperplasia

Focal, Mild

Stomach

Glandular

Degeneration

Cystic, Minimal

Testes

Bilateral, Interstit Cell

Adenoma

Note: ADENOMA

TGLs = 1,2-5+12

Thymus

Epithel Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 64

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 44MG/KG LOW MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Intestine Large - Rectum
Islets, Pancreatic
Parathyroid Gland
Stomach - Forestomach
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Small - Duodenum
Lymph Node - Mandibular
Seminal Vesicle
Thymus

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Mammary Gland
Skin
Thyroid Gland

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Nose
Spleen
Trachea

OBSERVATIONS

Heart
Kidney
Liver

Lung
Lymph Node
Pancreas
Pituitary Gland
Preputial Gland
Note: CARCINOMA TGLs = 1-14
Prostate

Salivary Glands
Note: [SARCOMA] TGLs = 2-12
Stomach
Testes

Note: ADENOMA TGLs = 3-13

Bile Duct

Mesenteric, Sinus
Acinus
Pars Distalis

Glandular
Bilateral, Interstit Cell

Cardiomyopathy
Nephropathy
Hematopoietic Cell Proliferation
Hyperplasia
Inflammation
Sarcoma
Ectasia
Atrophy
Adenoma
Carcinoma

Hyperplasia
Inflammation
Sarcoma

Degeneration
Adenoma
Mesothelioma Benign

Mild
Mild
Minimal
Mild
Granulomatous, Multifocal, Minimal
Metastatic (Salivary Glands)
Mild
Mild

Focal, Moderate
Chronic Active, Mild

Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:17
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 65

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 44MG/KG LOW MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Nose	Parathyroid Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Thyroid Gland	Trachea	

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal GI Note: ONE ADRENAL MISSING.			
Epididymis		Leukemia Mononuclear	
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multifocal, Minimal
		Leukemia Mononuclear	
		Sarcoma	Metastatic (Uncertain Primary Site)
Lung	Alveolar Epith	Hyperplasia	Focal, Moderate
		Sarcoma	Metastatic (Uncertain Primary Site)
Mammary Gland	Duct	Ectasia	Mild
Pancreas		Leukemia Mononuclear	
Pituitary Gland [Adenoma TGLS = 3-1]	Pars Distalis	Adenoma	
Spleen Note: LEUKEMIA MONUC TGLs = 2-12		Leukemia Mononuclear	
Stomach	Glandular	Degeneration	Cystic, Mild
Testes Note: ADENOMA TGLs = 1-5+13	Bilateral, Interstit Cell	Adenoma	
Thymus	Epithel Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:17
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 65

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 44MG/KG LOW MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Urinary Bladder

Infiltration Cellular

Lymphocyte, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 66

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 44MG/KG LOW MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

INSUFFICIENT TISSUE

Intestine Large - Rectum

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Moderate
Eye		Cataract	Moderate
	Retina	Degeneration	Moderate
	Sclera	Metaplasia	Osseous, Moderate
Note: CATARACT TGLs = 2-12			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
Lung	Alveolar Epith	Hyperplasia	Focal, Mild
Lymph Node	Mandibular	Hemorrhage	Mild
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-14			
Nose		Inflammation	Suppurative, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 3-5+13			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 67

TRT#: 2

SEX: Male

DAY ON TEST: 622

DOSE: 44MG/KG LOW MALE

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone Marrow

Brain

Epididymis

Esophagus

Islets, Pancreatic

Kidney

Lymph Node - Mandibular

Mammary Gland

Nose

Pituitary Gland

Prostate

Salivary Glands

Skin

Stomach - Forestomach

Stomach - Glandular

Thymus

Trachea

Urinary Bladder

MISSING

Parathyroid Gland

Preputial Gland

Thyroid Gland

AUTO PRECLUDES DIAG.

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Lymph Node - Mesenteric

Pancreas

Seminal Vesicle

OBSERVATIONS

Heart

Cardiomyopathy

Mild

Liver

Bile Duct

Hyperplasia

Mild

Lung

Congestion

Moderate

Note: CONGESTION TGLs = 4-6+7

Spleen

Infarct

Marked

Note: [INFARCT] TGLs = 3-13

Testes

Bilateral, Interstit Cell

Adenoma

Mild

Interstit Cell

Hyperplasia

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 68

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 44MG/KG LOW MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Bone Marrow

Brain

Epididymis

Esophagus

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Lymph Node - Mesenteric

Nose

Parathyroid Gland

Salivary Glands

Seminal Vesicle

Skin

Stomach - Forestomach

Trachea

Urinary Bladder

MISSING

Adrenal Gland - Medulla

Lymph Node - Mandibular

Mammary Gland

INSUFFICIENT TISSUE

Intestine Large - Rectum

OBSERVATIONS

Kidney

Nephropathy

Minimal

Liver

Bile Duct

Hyperplasia

Mild

Leukemia Mononuclear

Leukemia Mononuclear

Lung

Acinus

Atrophy

Mild

Pancreas

Angiectasis

Mild

Pituitary Gland

Inflammation

Chronic Active, Mild

Preputial Gland

Inflammation

Chronic Active, Moderate

Prostate

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 2-12

Stomach

Glandular

Degeneration

Cystic, Mild

Testes

Bilateral, Interstit Cell

Adenoma

Note: ADENOMA TGLs = 1-5+14

Thymus

Epithel Cell

Hyperplasia

Mild

Thyroid Gland

Follicular Cel

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 69

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 44MG/KG LOW MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Parathyroid Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Multifocal, Moderate
	Medulla	Hyperplasia	Focal, Mild
	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Mesentery	Fat	Necrosis	Focal, Marked
Note: NECROSIS TGLs = 1-12			
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
Preputial Gland	Duct	Ectasia	Marked
Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 70

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 44MG/KG LOW MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Epididymis	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Preputial Gland	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Trachea	Urinary Bladder		

MISSING

Esophagus	Lymph Node - Mandibular	Parathyroid Gland
-----------	-------------------------	-------------------

OBSERVATIONS

Adrenal Gland	Cortex Bilateral, Medulla	Hyperplasia Pheochromocytoma Benign	Focal, Mild
Heart	Cortex Atrium	Vacuolization Cytoplasmic Cardiomyopathy Thrombosis	Multifocal, Mild Mild Mild
Kidney Note: NEPHROPATHY TGLs = 3-4		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia Mixed Cell Focus	Mild Mild
Lung		Infiltration Cellular Pigmentation	Histiocyte, Minimal Minimal
Mesentery Note: NECROSIS TGLs = 2-12	Fat	Necrosis	Focal, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Prostate		Hyperplasia	Focal, Moderate
Stomach	Glandular	Degeneration	Cystic, Minimal
Testes	Bilateral, Interstit Cell Interstit Cell	Adenoma Granuloma Sperm Hyperplasia Hypospermia	Moderate Mild Marked
Note: HYOSPERMIA TGLs = 1-5			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:17
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 70

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 44MG/KG LOW MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 1-5

Thymus	Epithel Cell	Hyperplasia	Mild
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 71

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 44MG/KG LOW MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Intestine Large - Rectum
Islets, Pancreatic
Nose
Salivary Glands
Thyroid Gland

Adrenal Gland - Medulla
Esophagus
Intestine Small - Duodenum
Lung
Pancreas
Seminal Vesicle
Trachea

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mesenteric
Parathyroid Gland
Skin

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Mammary Gland
Preputial Gland
Stomach - Forestomach

OBSERVATIONS

Adrenal GI
Note: ONE ADRENAL MISSING.

Heart
Kidney
Liver

Cardiomyopathy
Nephropathy
Basophilic Focus
Congestion
Fatty Change
Hyperplasia

Mild
Minimal
Mild
Mild
Multifocal, Mild
Mild

Note: FATTY CHANGE TGLs = 4-3
Note: CONGESTION TGLs = 5-3

Lymph Node

Bile Duct

Mandibular, Sinus
Mandibular
Mediastinal
Fat

Ectasia
Hyperplasia
Pigmentation
Necrosis

Mild
Plasma Cell, Moderate
Hemosiderin, Moderate
Focal, Marked

Mesentery
Note: NECROSIS TGLs = 1-13

Pituitary Gland
Prostate

Cyst
Cytoplasmic Alteration
Hyperplasia
Inflammation

Moderate
Focal, Moderate
Chronic Active, Mild

Spleen
Stomach
Testes

Glandular
Bilateral, Interstit Cell

Fibrosis
Degeneration
Adenoma

Mild
Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:17
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 71	TRT#: 2	SEX: Male	DAY ON TEST: 730
	DOSE: 44MG/KG LOW MALE	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA	TGLs = 2,3-12		
Thymus		Epithel Cell	Hyperplasia
Urinary Bladder			Infiltration Cellular
			Mild
			Lymphocyte, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 72

TRT#: 2

SEX: Male

DAY ON TEST: 638

DOSE: 44MG/KG LOW MALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Intestine Large - Rectum
Islets, Pancreatic
Nose
Salivary Glands
Stomach - Forestomach
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Small - Duodenum
Lung
Pancreas
Seminal Vesicle
Stomach - Glandular

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Parathyroid Gland
Skin
Thyroid Gland

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Mammary Gland
Prostate
Spleen
Trachea

MISSING

Pituitary Gland

Thymus

OBSERVATIONS

Heart
Kidney
Liver
Lymph Node

Preputial Gland
Testes

Bile Duct
Mesenteric, Sinus
Mediastinal
Mesenteric

Interstit Cell

Cardiomyopathy
Nephropathy
Hyperplasia
Ectasia
Hemorrhage
Hemorrhage
Inflammation
Hyperplasia

Mild
Mild
Mild
Mild
Mild
Mild
Chronic Active, Mild
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:17
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 73

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 44MG/KG LOW MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Note: NEPHROPATHY	TGLs = 3-4		
Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-3		
Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
		Pigmentation	Minimal
Pancreas	Acinus	Atrophy	Mild
	Acinus	Hyperplasia	Focal, Mild
Pituitary Gland		Pigmentation	Hemosiderin, Mild
Prostate		Hyperplasia	Focal, Mild
		Inflammation	Chronic Active, Mild
Skin		Inflammation	Chronic, Mild
		Keratoacanthoma	
Note: KERATOACANTHMA	TGLs = 1-12		
Note: INFLAMMATION	TGLs = 5-13		
Spleen		Leukemia Mononuclear	
Stomach	Glandular	Degeneration	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:17
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 73	TRT#: 2	SEX: Male	DAY ON TEST: 730
	DOSE: 44MG/KG LOW MALE	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2-5			
Thymus	Epithel Cell	Hyperplasia	Mild
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:17

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 74

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 44MG/KG LOW MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Medulla	Pheochromocytoma Benign	
Bone Marrow		Leukemia Mononuclear	
Brain		Leukemia Mononuclear	
Kidney	Renal Tubule	Adenoma	
		Necrosis	Moderate
		Nephropathy	Mild
Note: NECROSIS TGLs = 3-4			
Liver		Eosinophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Note: INFILTRAT CELL TGLs = 4-6+7			
Lymph Node	Bronchial	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-12+14]			
Nose		Fungus	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 74

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 44MG/KG LOW MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Pancreas	Acinus	Inflammation	Suppurative, Mild
Spleen		Atrophy	Mild
Note: LEUKEMIA MONUC TGLs = 1-13		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 75

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 44MG/KG LOW MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multifocal, Mild
Lymph Node	Mediastinal, Sinus	Ectasia	Moderate
	Mediastinal	Hemorrhage	Mild
Pituitary Gland		Hemorrhage	Mild
Stomach	Glandular	Degeneration	Cystic, Mild
Testes	Interstit Cell	Adenoma	
		Hypospermia	Marked
Note: ADENOMA	TGLs = 2-12		
Note: HYOSPERMIA	TGLs = 1-5		
Thymus		Hemorrhage	Mild
	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 76

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 44MG/KG LOW MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver		Hemorrhage	Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-3			
Note: HEMORRHAGE TGLs = 2-13			
Spleen		Leukemia Mononuclear	
Stomach	Glandular	Degeneration	Cystic, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1-5+12			
Thymus	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 77

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 44MG/KG LOW MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Small - Ileum
Lymph Node - Mandibular
Pituitary Gland
Spleen
Urinary Bladder

Bone Marrow
Intestine Large - Cecum
Intestine Small - Jejunum
Lymph Node - Mesenteric
Preputial Gland
Stomach - Forestomach

Brain
Intestine Large - Rectum
Islets, Pancreatic
Nose
Salivary Glands
Thyroid Gland

Epididymis
Intestine Small - Duodenum
Lung
Parathyroid Gland
Seminal Vesicle
Trachea

MISSING

Mammary Gland

Thymus

OBSERVATIONS

Adrenal Gland
Eye

Medulla
Retina
Sclera

Pheochromocytoma Benign
Cataract
Degeneration
Metaplasia

Marked
Marked
Osseous, Moderate

Note: CATARACT TGLs = 2-13

Heart

Atrium
Colon

Cardiomyopathy
Thrombosis
Inflammation

Mild
Marked
Subacute, Mild

Intestine Large

Kidney

Liver

Pancreas

Prostate

Skin

Bile Duct
Acinus

Nephropathy
Hyperplasia
Atrophy
Hyperplasia
Squamous Cell Carcinoma

Mild
Mild
Minimal
Focal, Mild

Note: SQUAM CEL CARC TGLs = 1-14

Stomach

Testes

Note: ADENOMA TGLs = 3-5-12

Glandular
Bilateral, Interstit Cell

Degeneration
Adenoma

Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 78

TRT#: 2

SEX: Male

DAY ON TEST: 647

DOSE: 44MG/KG LOW MALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Brain	Epididymis
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Nose	Parathyroid Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Adrenal Gland - Medulla	Thymus
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OBSERVATIONS

Intestine Small	Duodenum	Erosion	Marked
Kidney		Nephropathy	Marked
Note: NEPHROPATHY TGLs = 1-4			
Liver	Periportal	Fatty Change	Mild
		Mixed Cell Focus	Mild
Note: FATTY CHANGE TGLs = 2-12			
Lymph Node	Mesenteric, Sinus	Ectasia	Mild
	Mesenteric	Hemorrhage	Mild
Mammary Gland	Duct	Ectasia	Mild
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Stomach	Glandular	Degeneration	Cystic, Mild
	Forestomach	Ulcer	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 79

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 44MG/KG LOW MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Bone Marrow

Brain

Epididymis

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Lung

Mammary Gland

Nose

Pancreas

Parathyroid Gland

Prostate

Salivary Glands

Seminal Vesicle

Stomach - Forestomach

Thymus

Thyroid Gland

Trachea

Urinary Bladder

MISSING

Lymph Node - Mandibular

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland

Medulla

Pheochromocytoma Benign

Heart

Cardiomyopathy

Mild

Kidney

Nephropathy

Minimal

Liver

Basophilic Focus

Mild

Mesentery

Bile Duct

Hyperplasia

Mild

Fat

Necrosis

Focal, Marked

Note: NECROSIS TGLs = 2-13

Pituitary Gland

Pars Distalis

Adenoma

Preputial Gland

Inflammation

Chronic Active, Minimal

Skin

Keratoacanthoma

Note: KERATOACANTHOMA TGLs = 1-12

Spleen

Fibrosis

Moderate

Note: FIBROSIS TGLs = 3-3

Stomach

Glandular

Degeneration

Cystic, Mild

Testes

Bilateral, Interstit Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 80

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 44MG/KG LOW MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Kidney	Renal Tubule	Hyperplasia	Focal, Minimal
		Nephropathy	Mild
Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
Note: ANOM HEPAT LOB TGLs = 4-15			
Lung	Alveolar Epith	Hyperplasia	Focal, Mild
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Granulomatous, Multifocal, Minimal
		Pigmentation	Minimal
Note: HYPERPLASIA TGLs = 5-7			
Mesentery	Fat	Necrosis	Focal, Marked
Note: NECROSIS TGLs = 3-12			
Pancreas	Artery	Inflammation	Chronic, Marked
Skin		Keratoacanthoma	
Note: KERATOACANTHMA TGLs = 1-14			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2-5+13			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 80

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 44MG/KG LOW MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 81

TRT#: 2

SEX: Male

DAY ON TEST: 441

DOSE: 44MG/KG LOW MALE

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Prostate
Spleen
Trachea

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Nose
Salivary Glands
Stomach - Forestomach
Urinary Bladder

Bone Marrow
Heart
Intestine Small - Duodenum
Kidney
Parathyroid Gland
Seminal Vesicle
Stomach - Glandular

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Pituitary Gland
Skin
Thyroid Gland

MISSING

Lymph Node - Mandibular

Mammary Gland

OBSERVATIONS

Lung
Note: HYPOSTATIC CONGESTION.

Interstitialium

Inflammation

Minimal

Pancreas
Preputial Gland
Note: CARCINOMA TGLs = 1-12

Acinus

Atrophy
Carcinoma

Minimal

Testes
Note: HYOSPERMIA TGLs = 4-5

Hyospermia

Marked

Thymus
Epithel Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 82

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 44MG/KG LOW MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Renal Tubule	Hyperplasia	Mild
		Nephropathy	Mild
Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
Pancreas	Artery	Inflammation	Chronic, Marked
Prostate		Inflammation	Chronic Active, Mild
Stomach	Glandular	Degeneration	Cystic, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	

Note: ADENOMA TGLs = 1-5+12

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 83

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 44MG/KG LOW MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Intestine Large - Colon
Intestine Small - Jejunum
Nose
Prostate
Stomach - Forestomach

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Parathyroid Gland
Salivary Glands
Thyroid Gland

Bone Marrow
Heart
Intestine Small - Duodenum
Lymph Node - Mesenteric
Pituitary Gland
Seminal Vesicle
Trachea

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Mammary Gland
Preputial Gland
Spleen
Urinary Bladder

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Kidney
Liver
Lung

Pancreas
Skin
 Note: [ADENOMA] TGLs = 1-13
Stomach
Testes
 Note: ADENOMA TGLs = 2-5+12
Thymus

Bile Duct

Artery
Sebaceous GI

Glandular
Bilateral, Interstit Cell

Epithel Cell

Nephropathy
Hyperplasia
Infiltration Cellular
Pigmentation
Inflammation
Adenoma

Degeneration
Adenoma

Hyperplasia

Mild
Mild
Histiocyte, Minimal
Minimal
Chronic, Moderate

Cystic, Mild

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 84

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 44MG/KG LOW MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Kidney	Renal Tubule	Adenoma	
		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung	Interstitium	Inflammation	Moderate
Mesentery	Fat	Necrosis	Focal, Marked
Note: NECROSIS TGLs = 2-13			
Pituitary Gland	Pars Distalis	Adenoma	
Skin		Basal Cell Adenoma	
Note: BASAL CEL ADEN TGLs = 1-12			
Spleen		Leukemia Mononuclear	
Stomach	Glandular	Degeneration	Cystic, Minimal
Testes	Interstit Cell	Adenoma	
		Hypospermia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 85

TRT#: 2

SEX: Male

DAY ON TEST: 702

DOSE: 44MG/KG LOW MALE

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Intestine Large - Rectum
Islets, Pancreatic
Parathyroid Gland
Skin
Trachea

Adrenal Gland - Medulla
Esophagus
Intestine Small - Duodenum
Lymph Node - Mesenteric
Prostate
Stomach - Forestomach
Urinary Bladder

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Nose
Salivary Glands
Stomach - Glandular

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Pancreas
Seminal Vesicle
Thyroid Gland

MISSING

Lymph Node - Mandibular

Mammary Gland

OBSERVATIONS

Heart
Kidney
Liver

Lung

Pituitary Gland
Preputial Gland
Note: CARCINOMA TGLs = 1-14
Spleen
Testes
Note: ONE TESTIS PRESENT.
Note: ADENOMA TGLs = 2-13
Thymus

Bile Duct
Alveolar Epith

Epithel Cell

Cardiomyopathy
Nephropathy
Degeneration
Hyperplasia
Hyperplasia
Inflammation
Cyst
Carcinoma

Hematopoietic Cell Proliferation
Adenoma

Hyperplasia

Mild
Minimal
Cystic, Minimal
Mild
Focal, Mild
Granulomatous, Multifocal, Mild

Moderate

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 86

TRT#: 2

SEX: Male

DAY ON TEST: 463

DOSE: 44MG/KG LOW MALE

DISP: Gavage Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Intestine Large - Colon
Islets, Pancreatic
Nose
Salivary Glands
Thyroid Gland

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Lymph Node - Mandibular
Pancreas
Seminal Vesicle
Trachea

Bone Marrow
Heart
Intestine Small - Ileum
Lymph Node - Mesenteric
Parathyroid Gland
Skin
Urinary Bladder

Brain
Intestine Large - Cecum
Intestine Small - Jejunum
Mammary Gland
Prostate
Spleen

AUTO PRECLUDES DIAG.

Eye Stomach - Forestomach

Stomach - Glandular

OBSERVATIONS

Harderian Gland
Note: PIGMENT TGLs = 1-12
Intestine Small
Note: LEIOMYOSAR TGLs = 6-14
Kidney
Liver
Note: FATTY CHANGE TGLs = 7-3
Lung
Note: HEMORRHAGE TGLs = 8-6+7
Pituitary Gland
Preputial Gland
Note: CARCINOMA TGLs = 3-13
Testes
Thymus

Duodenum
Periportal
Bile Duct
Pars Distalis
Interstit Cell
Epithel Cell

Pigmentation
Leiomyosarcoma
Nephropathy
Fatty Change
Hyperplasia
Hemorrhage
Infiltration Cellular
Pigmentation
Hyperplasia
Carcinoma
Hyperplasia
Hyperplasia

Porphyrin, Moderate
Minimal
Minimal
Mild
Mild
Histiocyte, Minimal
Minimal
Focal, Mild
Mild
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 87

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 44MG/KG LOW MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Salivary Glands
Stomach - Forestomach

Bone Marrow
Heart
Intestine Small - Duodenum
Lymph Node - Mesenteric
Seminal Vesicle
Trachea

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Nose
Skin
Urinary Bladder

Epididymis
Intestine Large - Colon
Intestine Small - Jejunum
Pancreas
Spleen

MISSING

Mammary Gland

Parathyroid Gland

Preputial Gland

OBSERVATIONS

Adrenal Gland
Kidney
Liver
Lung

Medulla
Bile Duct
Alveolar Epith

Pheochromocytoma Benign
Nephropathy
Hyperplasia
Hyperplasia
Infiltration Cellular
Inflammation
Pigmentation
Hyperplasia
Necrosis

Moderate
Mild
Focal, Mild
Histiocyte, Minimal
Granulomatous, Multifocal, Minimal
Minimal
Plasma Cell, Moderate
Focal, Marked

Lymph Node
Mesentery
Note: NECROSIS TGLs = 2-14

Mandibular
Fat

Adenoma

Pituitary Gland
Note: ADENOMA TGLs = 3-12

Pars Distalis

Inflammation
Degeneration
Adenoma
Hyperplasia

Suppurative, Mild
Cystic, Minimal

Prostate
Stomach
Testes
Note: ADENOMA TGLs = 1-12

Glandular
Interstit Cell
Interstit Cell

Hyperplasia
Adenoma

Mild

Thymus
Thyroid Gland

Epithel Cell
C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 88

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 44MG/KG LOW MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Bone Marrow

Brain

Epididymis

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Liver

Lymph Node - Mandibular

Lymph Node - Mesenteric

Nose

Pancreas

Pituitary Gland

Prostate

Salivary Glands

Seminal Vesicle

Skin

Spleen

Stomach - Forestomach

Trachea

Urinary Bladder

MISSING

Mammary Gland

Parathyroid Gland

OBSERVATIONS

Adrenal Gland

Medulla

Hyperplasia

Multifocal, Mild

Medulla

Pheochromocytoma Benign

Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.

Heart

Cardiomyopathy

Mild

Islets, Pancreatic

Adenoma

Kidney

Nephropathy

Mild

Lung

Inflammation

Granulomatous, Multifocal, Minimal

Preputial Gland

Carcinoma

Note: CARCINOMA TGLs = 1-12

Stomach

Glandular

Degeneration

Cystic, Mild

Testes

Bilateral, Interstit Cell

Adenoma

Note: ADENOMA TGLs = 2-5+13

Thymus

Epithel Cell

Hyperplasia

Mild

Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 89

TRT#: 2

SEX: Male

DAY ON TEST: 660

DOSE: 44MG/KG LOW MALE

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Nose	Pancreas	Pituitary Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Lymph Node - Mesenteric	Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Brain		Leukemia Mononuclear	
Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
Liver		Hepatocellular Carcinoma	
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
Note: LEUKEMIA MONUC	TGLs = 3-3+14		
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-12		
Stomach	Forestomach	Leukemia Mononuclear	
	Glandular	Leukemia Mononuclear	
Testes	Interstit Cell	Adenoma	
		Hypospermia	Marked
Note: HYOSPERMIA	TGLs = 1-5		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 89

TRT#: 2

SEX: Male

DAY ON TEST: 660

DOSE: 44MG/KG LOW MALE

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 2-5+13

Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 90

TRT#: 2

SEX: Male

DAY ON TEST: 673

DOSE: 44MG/KG LOW MALE

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
	Medulla	Pheochromocytoma Benign	Multiple
Heart		Cardiomyopathy	Mild
	Atrium	Thrombosis	Mild
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
	Centrilobular	Necrosis	Marked
Note: NECROSIS	TGLs = 5-3		
Lung		Pigmentation	Mild
Lymph Node	Mesenteric	Hemorrhage	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Carcinoma	
Note: CARCINOMA	TGLs = 1-12		
Spleen	Red Pulp	Atrophy	Moderate
		Depletion Lymphoid	Marked
Stomach	Glandular	Degeneration	Cystic, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 2-5		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 91

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 44MG/KG LOW MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Bone Marrow

Brain

Epididymis

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Lymph Node - Mandibular

Lymph Node - Mesenteric

Nose

Parathyroid Gland

Preputial Gland

Prostate

Salivary Glands

Seminal Vesicle

Skin

Spleen

Stomach - Forestomach

Trachea

Urinary Bladder

MISSING

Mammary Gland

Thymus

OBSERVATIONS

Adrenal Gland

Medulla

Pheochromocytoma Malignant

Note: [PHEOCHROM MAL] TGLs = 1-13

Heart

Cardiomyopathy

Mild

Kidney

Renal Tubule

Adenoma

Multiple

Liver

Nephropathy

Moderate

Basophilic Focus

Mild

Lung

Bile Duct

Hyperplasia

Mild

Infiltration Cellular

Histiocyte, Minimal

Pigmentation

Minimal

Pancreas

Artery

Inflammation

Chronic, Moderate

Pituitary Gland

Pars Distalis

Adenoma

Note: ADENOMA TGLs = 3-12

Stomach

Glandular

Degeneration

Cystic, Minimal

Testes

Interstit Cell

Adenoma

Arteriole

Inflammation

Chronic, Moderate

Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 92

TRT#: 2

SEX: Male

DAY ON TEST: 562

DOSE: 44MG/KG LOW MALE

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Pancreas
Seminal Vesicle
Stomach - Glandular

Adrenal Gland - Medulla
Esophagus
Preputial Gland
Skin
Thyroid Gland

Bone Marrow
Islets, Pancreatic
Prostate
Spleen
Trachea

Brain
Kidney
Salivary Glands
Stomach - Forestomach
Urinary Bladder

MISSING

Lymph Node - Mesenteric

Mammary Gland

Parathyroid Gland

Thymus

AUTO PRECLUDES DIAG.

Intestine Large - Cecum
Intestine Small - Ileum

Intestine Large - Colon
Intestine Small - Jejunum

Intestine Large - Rectum

Intestine Small - Duodenum

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Heart
Liver
Lung

Bile Duct

Cardiomyopathy
Hyperplasia
Congestion
Infiltration Cellular
Pigmentation
Hyperplasia
Foreign Body
Inflammation
Hypospermia

Mild
Mild
Mild
Histiocyte, Minimal
Minimal
Plasma Cell, Moderate
Mild
Suppurative, Mild
Marked

Lymph Node
Nose

Mandibular

Testes

Note: HYOSPERMIA TGLs = 1,2-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 93

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 44MG/KG LOW MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Nose
Preputial Gland
Skin
Trachea

Bone Marrow
Heart
Intestine Small - Duodenum
Lung
Pancreas
Prostate
Spleen
Urinary Bladder

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Parathyroid Gland
Salivary Glands
Stomach - Forestomach

Epididymis
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Pituitary Gland
Seminal Vesicle
Thyroid Gland

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland
Kidney
 Note: NEPHROPATHY TGLs = 2-4
Liver
 Note: PIGMENT TGLs = 3-3+13
Stomach
Testes
 Note: ADENOMA TGLs = 1-5+12
Thymus

Medulla
Bilateral, Medulla
Bile Duct
Glandular
Bilateral, Interstit Cell
Epithel Cell

Hyperplasia
Pheochromocytoma Benign
Nephropathy
Hyperplasia
Pigmentation
Degeneration
Adenoma
Hyperplasia

Focal, Mild
Moderate
Mild
Hemosiderin, Minimal
Cystic, Minimal
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 94

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 44MG/KG LOW MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Intestine Large - Rectum
Islets, Pancreatic
Pituitary Gland
Stomach - Forestomach

Adrenal Gland - Medulla
Esophagus
Intestine Small - Duodenum
Lymph Node - Mesenteric
Salivary Glands
Thyroid Gland

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Mammary Gland
Seminal Vesicle
Trachea

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Parathyroid Gland
Skin

OBSERVATIONS

Heart
Kidney
Liver

Cardiomyopathy
Nephropathy
Hepatodiaphragmatic Nodule
Hyperplasia
Leukemia Mononuclear
Mixed Cell Focus

Mild
Minimal
Mild
Mild

Note: LEUKEMIA MONUC TGLs = 3-3

Lung
Lymph Node
Nose
Pancreas

Bile Duct

Mandibular

Acinus

Leukemia Mononuclear
Pigmentation
Inflammation
Atrophy
Leukemia Mononuclear
Inflammation
Hyperplasia
Leukemia Mononuclear

Hemosiderin, Mild
Suppurative, Mild
Mild
Chronic Active, Moderate
Focal, Mild

Preputial Gland
Prostate
Spleen

Note: LEUKEMIA MONUC TGLs = 1-12

Stomach
Testes

Glandular
Bilateral, Interstit Cell

Degeneration
Adenoma

Cystic, Minimal

Note: ADENOMA TGLs = 2-5+13

Thymus
Urinary Bladder

Epithel Cell

Hyperplasia
Leukemia Mononuclear

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 95

TRT#: 2

SEX: Male

DAY ON TEST: 714

DOSE: 44MG/KG LOW MALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Bone	Humerus	Osteosarcoma	
Note: OSTEOSARC TGLs = 4-14			
Brain	Brain Stem	Compression	Moderate
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Fatty Change	Multifocal, Minimal
		Hematopoietic Cell Proliferation	Minimal
Note: FATTY CHANGE TGLs = 1-13	Bile Duct	Hyperplasia	Mild
Lung		Osteosarcoma	Metastatic (Bone)
Note: OSTEOSARC TGLs = 2-6+7			
Mammary Gland		Galactocele	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 3-12			
Stomach	Glandular	Degeneration	Cystic, Minimal
Testes	Interstit Cell	Adenoma	
Thymus	Epithel Cell	Hyperplasia	Mild
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 96	TRT#: 2	SEX: Male	DAY ON TEST: 730
	DOSE: 44MG/KG LOW MALE	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Mild
Lung	Alveolar Epith	Hyperplasia	Multifocal, Mild
Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
Preputial Gland		Inflammation	Chronic Active, Mild
Prostate		Hyperplasia	Multifocal, Mild
Stomach	Glandular	Degeneration	Cystic, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 1-5+12		
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 97

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 44MG/KG LOW MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Intestine Large - Rectum
Islets, Pancreatic
Preputial Gland
Stomach - Forestomach

Adrenal Gland - Medulla
Esophagus
Intestine Small - Duodenum
Lymph Node - Mandibular
Salivary Glands
Thyroid Gland

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Nose
Seminal Vesicle
Trachea

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Parathyroid Gland
Spleen
Urinary Bladder

OBSERVATIONS

Heart
Kidney
Liver

Lung

Lymph Node
Mammary Gland
Pancreas
Pituitary Gland
Prostate
Skin
 Note: BASOSQU TM BGN TGLs = 2-12
Stomach
Testes
 Note: ADENOMA TGLs = 1-5
Thymus

Bile Duct

Mesenteric, Sinus
Duct
Acinus
Pars Distalis

Glandular
Bilateral, Interstit Cell

Epithel Cell

Cardiomyopathy
Nephropathy
Hyperplasia
Inflammation
Infiltration Cellular
Pigmentation
Ectasia
Ectasia
Adenocarcinoma
Adenoma
Hyperplasia
Basosquamous Tumor Benign

Degeneration
Adenoma

Hyperplasia

Mild
Mild
Mild
Granulomatous, Multifocal, Minimal
Histiocyte, Minimal
Minimal
Mild
Moderate

Multifocal, Mild

Cystic, Minimal

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 98

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 44MG/KG LOW MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Intestine Large - Colon
Intestine Small - Jejunum
Nose
Preputial Gland
Skin
Trachea

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Pancreas
Prostate
Spleen
Urinary Bladder

Bone Marrow
Heart
Intestine Small - Duodenum
Lymph Node - Mandibular
Parathyroid Gland
Salivary Glands
Stomach - Forestomach

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mesenteric
Pituitary Gland
Seminal Vesicle
Thyroid Gland

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
		Pigmentation	Hemosiderin, Mild
[Hyperplasia TGLS = 3-3+14]			
Lung	Alveolar Epith	Hyperplasia	Multifocal, Mild
Mesentery	Fat	Necrosis	Focal, Marked
Note: NECROSIS TGLs = 1-12			
Stomach	Glandular	Degeneration	Cystic, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2-5+13			
Thymus	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 99

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 44MG/KG LOW MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Brain	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Parathyroid Gland	Pituitary Gland
Preputial Gland	Salivary Glands	Seminal Vesicle	Spleen
Stomach - Forestomach	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Bone	Femur	Proliferation	Focal, Moderate
Note: FEMUR- ENDOSTEAL OSSEOUS PROLIFERATION AND MARROW NECROSIS.			
Bone Marrow		Necrosis	Marked
Epididymis		Mesothelioma Malignant	Metastatic (Testes)
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Note: NEPHROPATHY TGLs = 6-4			
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multifocal, Minimal
Lung	Alveolar Epith	Hyperplasia	Multifocal, Mild
		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Pancreas	Acinus	Atrophy	Minimal
Prostate		Hyperplasia	Multifocal, Mild
Skin	Subcut Tiss	Fibroma	
		Squamous Cell Carcinoma	
Note: SQUAM CEL CARC TGLs = 1-15			
Note: FIBROMA TGLs = 2-16			
Stomach	Glandular	Degeneration	Cystic, Mild
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
		Mesothelioma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 99	TRT#: 2	SEX: Male	DAY ON TEST: 730
	DOSE: 44MG/KG LOW MALE	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: MESOTHELIO MAL TGLs = 4-13+14

Note: ADENOMA TGLs = 3-13

Thymus	Epithel Cell	Hyperplasia	Mild
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PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 100

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 44MG/KG LOW MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-3+14			
Lung		Inflammation	Granulomatous, Multifocal, Mild
Note: INFLAMMATION TGLs = 4-6+7			
Lymph Node	Mandibular, Sinus	Ectasia	Mild
	Mandibular	Hyperplasia	Plasma Cell, Mild
	Mandibular	Hyperplasia	Lymphoid, Mild
Nose		Fungus	Moderate
		Hyperkeratosis	Focal, Moderate
		Inflammation	Suppurative, Moderate
Pancreas	Acinus	Hyperplasia	Focal, Mild
Note: PANCREATIC LESION IN SLIDE #10.			
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-12			
Stomach	Glandular	Degeneration	Cystic, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 100

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 44MG/KG LOW MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 1-5+13

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 101

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 44MG/KG LOW MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Esophagus

Intestine Small - Duodenum

Nose

Salivary Glands

Stomach - Glandular

Bone Marrow

Intestine Large - Cecum

Intestine Small - Ileum

Pituitary Gland

Seminal Vesicle

Thyroid Gland

Brain

Intestine Large - Colon

Intestine Small - Jejunum

Preputial Gland

Skin

Trachea

Epididymis

Intestine Large - Rectum

Lymph Node - Mesenteric

Prostate

Stomach - Forestomach

Urinary Bladder

MISSING

Mammary Gland

Parathyroid Gland

Thymus

OBSERVATIONS

Adrenal Gland

Heart

Islets, Pancreatic

Kidney

Liver

Medulla

Bile Duct

Hyperplasia

Cardiomyopathy

Adenoma

Nephropathy

Hyperplasia

Leukemia Mononuclear

Multifocal, Mild

Mild

Mild

Mild

Note: LEUKEMIA MONUC TGLs = 3-3+14

Lung

Lymph Node

Pancreas

Spleen

Note: LEUKEMIA MONUC TGLs = 2-12

Testes

Note: ADENOMA TGLs = 1-5+13

Leukemia Mononuclear

Ectasia

Atrophy

Leukemia Mononuclear

Mild

Mild

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 102

TRT#: 2

SEX: Male

DAY ON TEST: 540

DOSE: 44MG/KG LOW MALE

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Pituitary Gland
Seminal Vesicle
Thyroid Gland

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Preputial Gland
Skin
Trachea

Bone Marrow
Heart
Intestine Small - Duodenum
Kidney
Nose
Prostate
Stomach - Forestomach
Urinary Bladder

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Pancreas
Salivary Glands
Thymus

MISSING

Parathyroid Gland

AUTO PRECLUDES DIAG.

Stomach - Glandular

OBSERVATIONS

Bone
Note: OSTEOSARC TGLs = 6-9
Eye
Note: CATARACT TGLs = 4-12
Liver
Lung
Note: OSTEOSARC TGLs = 3-6+7
Lymph Node
Spleen
Note: OSTEOSARC TGLs = 1-3
Testes
Note: ADENOMA TGLs = 7-5

Femur
Sclera
Bile Duct
Mediastinal
Interstit Cell

Osteosarcoma
Cataract
Metaplasia
Hyperplasia
Osteosarcoma
Hemorrhage
Osteosarcoma
Adenoma

Marked
Osseous, Moderate
Minimal
Metastatic (Bone)
Moderate
Metastatic (Bone)

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 103

TRT#: 2

SEX: Male

DAY ON TEST: 620

DOSE: 44MG/KG LOW MALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Thyroid Gland	Trachea
Urinary Bladder			

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Medulla	Pheochromocytoma Benign	
Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 2-3		
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-6+7		
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 1-12		
Stomach	Glandular	Degeneration	Cystic, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Thymus	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 104

TRT#: 2

SEX: Male

DAY ON TEST: 603

DOSE: 44MG/KG LOW MALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Stomach - Forestomach	Thyroid Gland
Trachea			

MISSING

Lymph Node - Mandibular	Thymus
-------------------------	--------

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Liver		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
Lung		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Lymph Node	Mesenteric, Sinus	Ectasia	Mild
Preputial Gland		Carcinoma	
Note: CARCINOMA	TGLs = 1-8+12		
Spleen		Hematopoietic Cell Proliferation	Moderate
Stomach	Glandular	Degeneration	Cystic, Minimal
Testes	Interstitial Cell	Adenoma	
	Interstitial Cell	Hyperplasia	Mild
		Mesothelioma Benign	
Urinary Bladder	Transit Epithe	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 105

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 44MG/KG LOW MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Kidney	Renal Tubule	Adenoma	
		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Granulomatous, Multifocal, Minimal
		Pigmentation	Minimal
Note: INFLAMMATION	TGLs = 2-6+7		
Nose		Inflammation	Suppurative, Mild
Preputial Gland		Inflammation	Chronic Active, Mild
Prostate		Hyperplasia	Focal, Mild
Skin	Subcut Tiss	Fibroma	
Note: FIBROMA	TGLs = 3-13		
Stomach	Glandular	Degeneration	Cystic, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 1-12		
Thymus	Epithel Cell	Hyperplasia	Mild
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 106

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 44MG/KG LOW MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Epididymis	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic	Nose
Pancreas	Parathyroid Gland	Preputial Gland	Stomach - Forestomach
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Medulla	Pheochromocytoma Benign	
Intestine Small	Ileum	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 7-10		
Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-3		
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 8-6+7		
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-14]			
Pituitary Gland		Hemorrhage	Moderate
		Leukemia Mononuclear	
[Hemorrhage TGLS = 10-1]			
[Leukemia Mononuclear TGLS = 10-1]			
Prostate		Hyperplasia	Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 106

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 44MG/KG LOW MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Salivary Glands		Leukemia Mononuclear
Seminal Vesicle		Leukemia Mononuclear
Skin	Subcut Tiss	Leukemia Mononuclear
Note: LEUKEMIA MONUC	TGLs = 1-13	
Spleen		Leukemia Mononuclear
Note: LEUKEMIA MONUC	TGLs = 3-12	
Stomach	Glandular	Leukemia Mononuclear
Testes	Bilateral, Interstit Cell	Adenoma
Note: ADENOMA	TGLs = 2-5	
Thymus		Leukemia Mononuclear
Note: LEUKEMIA MONUC	TGLs = 9-15	
Thyroid Gland	C Cell	Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 107

TRT#: 2

SEX: Male

DAY ON TEST: 634

DOSE: 44MG/KG LOW MALE

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Islets, Pancreatic
Pancreas
Seminal Vesicle
Thymus

Bone Marrow
Lymph Node - Mandibular
Pituitary Gland
Skin
Thyroid Gland

Brain
Lymph Node - Mesenteric
Preputial Gland
Stomach - Forestomach
Trachea

Esophagus
Nose
Salivary Glands
Stomach - Glandular
Urinary Bladder

MISSING

Adrenal Gland - Medulla

Mammary Gland

Parathyroid Gland

AUTO PRECLUDES DIAG.

Intestine Large - Cecum
Intestine Small - Ileum

Intestine Large - Colon
Intestine Small - Jejunum

Intestine Large - Rectum

Intestine Small - Duodenum

OBSERVATIONS

Epididymis
Heart
Kidney

Renal Tubule

Mesothelioma Malignant
Cardiomyopathy
Hydronephrosis
Mineralization

Metastatic (Testes)
Mild
Moderate
Mild

Note: HYDRONEPHROSIS TGLs = 3-4+12

Liver

Bile Duct

Hyperplasia
Mesothelioma Malignant
Hemorrhage
Infiltration Cellular
Pigmentation

Mild
Metastatic (Testes)
Mild
Histiocyte, Mild
Mild

Note: HEMORRHAGE TGLs = 4,5-6+7

Lymph Node

Mediastinal

Hemorrhage
Inflammation
Mesothelioma Malignant
Adenoma
Hyperplasia
Hypospermia
Mesothelioma Malignant

Mild
Chronic Active, Marked
Metastatic (Testes)

Prostate

Spleen

Testes

Bilateral, Interstit Cell
Interstit Cell

Mild
Marked

Note: HYOSPERMIA TGLs = 1-13

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 107

TRT#: 2

SEX: Male

DAY ON TEST: 634

DOSE: 44MG/KG LOW MALE

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 108

TRT#: 2

SEX: Male

DAY ON TEST: 574

DOSE: 44MG/KG LOW MALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Nose	Pancreas	Parathyroid Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Thymus	Urinary Bladder

MISSING

Lymph Node - Mandibular	Mammary Gland
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INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Esophagus		Hemorrhage	Marked
Note: HEMORRHAGE	TGLs = 3-2+12		
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Fatty Change	Multifocal, Minimal
	Bile Duct	Hyperplasia	Mild
Note: FATTY CHANGE	TGLs = 2-3		
Note: SECTION CONTAINS PARAFFIN.			
Lung		Carcinoma	Metastatic (Thyroid Gland)
Note: METASTATIC C-CELL CARCINOMA.			
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mesenteric	Hemorrhage	Minimal
Spleen			
Note: SPLEEN HAS IRREGULAR SHAPE. NO DX.			
Stomach	Glandular	Degeneration	Cystic, Minimal
Testes	Interstit Cell	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Adenoma	
	C Cell	Carcinoma	
Trachea		Hemorrhage	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 108

TRT#: 2

SEX: Male

DAY ON TEST: 574

DOSE: 44MG/KG LOW MALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 109

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 44MG/KG LOW MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Lymph Node - Mesenteric

Stomach - Forestomach

OBSERVATIONS

Adrenal Gland

Cortex

Hyperplasia

Focal, Mild

Eye

Cataract

Moderate

Retina

Degeneration

Moderate

Note: CATARACT TGLs = 1-13

Heart

Cardiomyopathy

Mild

Kidney

Renal Tubule

Adenoma

Nephropathy

Mild

Liver

Angiectasis

Minimal

Bile Duct

Hyperplasia

Mild

Inflammation

Granulomatous, Multifocal, Minimal

Lymph Node

Mandibular

Hyperplasia

Plasma Cell, Moderate

Nose

Foreign Body

Mild

Inflammation

Suppurative, Mild

Pituitary Gland

Pars Distalis

Adenoma

Note: ADENOMA TGLs = 3-1

Prostate

Inflammation

Chronic Active, Mild

Stomach

Glandular

Degeneration

Cystic, Minimal

Testes

Interstit Cell

Hyperplasia

Mild

Thymus

Epithel Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 110

TRT#: 2

SEX: Male

DAY ON TEST: 587

DOSE: 44MG/KG LOW MALE

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Epididymis	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Islets, Pancreatic	Mammary Gland	Pancreas	Parathyroid Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Spleen	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Lymph Node - Mesenteric	Thymus
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AUTO PRECLUDES DIAG.

Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Brain	Cerebrum	Hemorrhage	Mild
Kidney		Nephropathy	Mild
Liver		Fatty Change	Focal, Mild
	Bile Duct	Hyperplasia	Mild
Lung		Congestion	Moderate
		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Note: CONGESTION TGLs = 1-6+7			
Lymph Node	Mandibular	Hemorrhage	Mild
	Mediastinal	Hemorrhage	Moderate
Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
Pituitary Gland	Pars Distalis	Adenoma	
		Hemorrhage	Marked
Skin	Subcut Tiss	Lipoma	Multiple
Note: LIPOMA TGLs = 2,3-12+13			
Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 110

TRT#: 2

SEX: Male

DAY ON TEST: 587

DOSE: 44MG/KG LOW MALE

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 121

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 88 MG/KGHIGHMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
Lung		Alveolar/Bronchiolar Carcinoma	
		Hyperplasia	Lymphoid, Moderate
Pancreas	Artery	Inflammation	Chronic, Moderate
Pituitary Gland		Angiectasis	Mild
Prostate		Inflammation	Chronic Active, Moderate
Stomach	Glandular	Degeneration	Cystic, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 1-12		
Thymus	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 122

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 88 MG/KGHIGHMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Pancreas
Seminal Vesicle
Urinary Bladder

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Lymph Node - Mandibular
Parathyroid Gland
Skin

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mesenteric
Preputial Gland
Stomach - Forestomach

Epididymis
Intestine Large - Colon
Intestine Small - Jejunum
Mammary Gland
Salivary Glands
Trachea

OBSERVATIONS

Brain
Kidney

Note: [CARCINOMA] TGLs = 2-4
Liver

Pons
Renal Tubule

Bile Duct

Hemorrhage
Carcinoma
Nephropathy

Minimal

Mild

Note: ANOM HEPAT LOB TGLs = 3-12
Lung

Alveolar Epith

Hepatodiaphragmatic Nodule
Hyperplasia
Inflammation

Mild
Granulomatous, Multifocal, Minimal

Lymph Node
Nose
Pituitary Gland
Prostate
Spleen
Stomach
Testes

Mediastinal

Hyperplasia
Infiltration Cellular
Pigmentation
Hemorrhage
Inflammation
Cyst
Hyperplasia
Leukemia Mononuclear
Degeneration
Adenoma

Focal, Mild
Histiocyte, Minimal
Minimal
Mild
Suppurative, Minimal
Multifocal, Mild
Cystic, Minimal

Note: ADENOMA TGLs = 1-5+13
Thymus
Thyroid Gland

Glandular
Bilateral, Interstit Cell

Epithel Cell
Follicle

Hyperplasia
Cyst

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 123

TRT#: 3

SEX: Male

DAY ON TEST: 458

DOSE: 88 MG/KGHIGHMALE

DISP: Accident

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Intestine Large - Rectum
Islets, Pancreatic
Nose
Prostate
Spleen
Trachea

Adrenal Gland - Medulla
Esophagus
Intestine Small - Duodenum
Lymph Node - Mandibular
Pancreas
Salivary Glands
Stomach - Forestomach
Urinary Bladder

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mesenteric
Pituitary Gland
Seminal Vesicle
Stomach - Glandular

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Mammary Gland
Preputial Gland
Skin
Thyroid Gland

MISSING

Parathyroid Gland

OBSERVATIONS

Heart
Kidney
Liver
Lung

Bile Duct

Cardiomyopathy
Nephropathy
Hyperplasia
Congestion
Infiltration Cellular
Pigmentation

Mild
Minimal
Mild
Marked
Histiocyte, Minimal
Minimal

Note: CONGESTION TGLs = 1-6+7

Testes

Bilateral, Interstit Cell

Adenoma

Note: ADENOMA TGLs = 2-5

Thymus

Hemorrhage

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 124

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 88 MG/KGHIGHMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Islets, Pancreatic		Adenoma	
Kidney	Renal Tubule	Adenoma	
		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
Lung	Alveolar Epith	Hyperplasia	Focal, Mild
		Inflammation	Granulomatous, Multifocal, Mild
Note: INFLAMMATION TGLs = 1-6+7			
Lymph Node	Mesenteric, Sinus	Ectasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
Preputial Gland		Hyperplasia	Moderate
		Inflammation	Chronic Active, Mild
Stomach	Glandular	Degeneration	Cystic, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Thymus	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 125

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 88 MG/KGHIGHMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Intestine Large - Rectum
Islets, Pancreatic
Pituitary Gland
Skin
Trachea

Adrenal Gland - Medulla
Esophagus
Intestine Small - Duodenum
Lymph Node - Mandibular
Preputial Gland
Spleen
Urinary Bladder

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Nose
Salivary Glands
Stomach - Forestomach

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Parathyroid Gland
Seminal Vesicle
Thyroid Gland

MISSING

Mammary Gland

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney	Renal Tubule	Hyperplasia	Focal, Minimal
		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multifocal, Minimal
Lung	Alveolar Epith	Hyperplasia	Focal, Mild
		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Pancreas	Acinus	Atrophy	Mild
Prostate		Inflammation	Chronic Active, Mild
Stomach	Glandular	Degeneration	Cystic, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 1,2-5+13		
Thymus	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 126

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 88 MG/KGHIGHMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Mammary Gland	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
	Medulla	Pheochromocytoma Malignant	
Note: PHEOCHROM MAL	TGLs = 2-13		
Heart		Cardiomyopathy	Mild
Kidney	Renal Tubule	Adenoma	
	Epithelium, Renal Tubule	Hyperplasia	Multifocal, Minimal
		Nephropathy	Moderate
Note: NEPHROPATHY	TGLs = 3-4		
Liver	Bile Duct	Hyperplasia	Mild
Lung		Infiltration Cellular	Histiocyte, Minimal
		Pheochromocytoma Malignant	Metastatic (Adrenal Gland)
		Pigmentation	Minimal
Lymph Node	Mesenteric, Sinus	Ectasia	Marked
	Mediastinal	Hemorrhage	Mild
	Pancreatic	Hyperplasia	Lymphoid, Moderate
Nose		Fungus	Moderate
		Hyperkeratosis	Focal, Moderate
		Inflammation	Suppurative, Moderate
Preputial Gland		Inflammation	Chronic Active, Moderate
Salivary Glands		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 126

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 88 MG/KGHIGHMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Stomach	Glandular	Degeneration	Cystic, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 1-5+12		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 127

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 88 MG/KGHIGHMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone Marrow

Epididymis

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Lung

Lymph Node - Mandibular

Lymph Node - Mesenteric

Nose

Pancreas

Prostate

Salivary Glands

Seminal Vesicle

Spleen

Stomach - Forestomach

Thymus

Trachea

Urinary Bladder

MISSING

Mammary Gland

Parathyroid Gland

Preputial Gland

OBSERVATIONS

Brain

Cerebrum

Gliosis

Focal, Moderate

Cerebrum

Pigmentation

Hemosiderin, Minimal

Heart

Cardiomyopathy

Mild

Kidney

Nephropathy

Mild

Liver

Bile Duct

Hyperplasia

Mild

Pituitary Gland

Pars Distalis

Adenoma

Skin

Subcut Tiss

Fibroma

Note: FIBROMA TGLs = 2-13

Stomach

Glandular

Degeneration

Cystic, Minimal

Testes

Bilateral, Interstit Cell

Adenoma

Thyroid Gland

C Cell

Carcinoma

Note: ADENOMA TGLs = 1-12

Note: CARCINOMA TGLs = 4-2

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 128

TRT#: 3

SEX: Male

DAY ON TEST: 630

DOSE: 88 MG/KGHIGHMALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Epididymis	Esophagus	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Parathyroid Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Cortex	Necrosis	Focal, Mild
Brain	Cerebrum	Hemorrhage	Minimal
	Pons	Hemorrhage	Minimal
		Leukemia Mononuclear	
Heart		Cardiomyopathy	Mild
Intestine Large	Cecum	Hemorrhage	Mild
Islets, Pancreatic		Carcinoma	
Kidney		Necrosis	Marked
		Nephropathy	Moderate
Note: NECROSIS	TGLs = 2-4		
Note: NEPHROPATHY	TGLs = 2-4		
Liver		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: FATTY CHANGE	TGLs = 3-13		
Lung		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Focal, Marked
Note: NECROSIS	TGLs = 1-12		
Pancreas	Acinus	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 128

TRT#: 3

SEX: Male

DAY ON TEST: 630

DOSE: 88 MG/KGHIGHMALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Pituitary Gland Note: ADENOMA Spleen	TGLs = 4-1	Pars Distalis	Adenoma	
Stomach Testes		Glandular Interstit Cell	Leukemia Mononuclear Necrosis Degeneration Hyperplasia	Mild Cystic, Minimal Mild
PRIMARY CAUSE OF DEATH		-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 129

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 88 MG/KGHIGHMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Bone Marrow

Brain

Epididymis

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Mammary Gland

Nose

Parathyroid Gland

Pituitary Gland

Prostate

Salivary Glands

Seminal Vesicle

Stomach - Forestomach

Trachea

Urinary Bladder

OBSERVATIONS

Adrenal Gland

Medulla

Pheochromocytoma Benign

Heart

Cardiomyopathy

Moderate

Kidney

Epithelium, Renal Tubule

Hyperplasia

Focal, Mild

Liver

Bile Duct

Nephropathy

Mild

Hyperplasia

Mild

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 4-3+15

Lung

Infiltration Cellular

Histiocyte, Minimal

Leukemia Mononuclear

Pigmentation

Minimal

Note: LEUKEMIA MONUC TGLs = 6-6+7

Lymph Node

Mandibular

Leukemia Mononuclear

Mesenteric

Leukemia Mononuclear

Pancreas

Acinus

Atrophy

Mild

Preputial Gland

Inflammation

Chronic Active, Moderate

Skin

Fibrosis

Focal, Moderate

Inflammation

Chronic, Focal, Mild

Note: FIBROSIS TGLs = 1-14

Note: INFLAMMATION TGLs = 1-14

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 2,3-12

Stomach

Glandular

Degeneration

Cystic, Minimal

Testes

Bilateral, Interstit Cell

Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 129

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 88 MG/KGHIGHMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Mesothelioma Benign

Note: ADENOMA TGLs = 5-5+13

Thymus

Leukemia Mononuclear

Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 130

TRT#: 3

SEX: Male

DAY ON TEST: 710

DOSE: 88 MG/KGHIGHMALE

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Bone Marrow

Brain

Epididymis

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Lymph Node - Mandibular

Lymph Node - Mesenteric

Pancreas

Parathyroid Gland

Pituitary Gland

Prostate

Salivary Glands

Seminal Vesicle

Stomach - Forestomach

Thymus

Thyroid Gland

Trachea

Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland

Bilateral, Medulla

Pheochromocytoma Benign

Heart

Cardiomyopathy

Mild

Kidney

Renal Tubule

Adenoma

Epithelium, Renal Tubule

Hyperplasia

Focal, Mild

Nephropathy

Moderate

Liver

Bile Duct

Hyperplasia

Mild

Centrilobular

Necrosis

Moderate

Note: NECROSIS TGLs = 5-12

Lung

Congestion

Mild

Interstitial

Inflammation

Mild

Pigmentation

Mild

Nose

Fungus

Moderate

Inflammation

Suppurative, Moderate

Carcinoma

Preputial Gland

Note: CARCINOMA TGLs = 2-15

Skin

Subcut Tiss

Fibroma

Note: FIBROMA TGLs = 1-14

Spleen

Hemangiosarcoma

Stomach

Glandular

Degeneration

Cystic, Minimal

Testes

Bilateral, Interstit Cell

Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 130

TRT#: 3

SEX: Male

DAY ON TEST: 710

DOSE: 88 MG/KGHIGHMALE

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Hyospermia

Marked

Note: HYOSPERMIA TGLs = 4-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 131

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 88 MG/KGHIGHMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla Cortex	Hyperplasia Hyperplasia	Focal, Mild Focal, Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
Lung	Alveolar Epith	Hyperplasia	Focal, Mild
Lymph Node	Mediastinal Mediastinal	Hemorrhage Pigmentation	Mild Hemosiderin, Mild
Nose		Foreign Body Inflammation	Moderate Suppurative, Mild
Preputial Gland		Inflammation	Chronic Active, Mild
Prostate		Inflammation	Chronic Active, Mild
Stomach	Glandular	Degeneration	Cystic, Minimal
Testes	Interstit Cell Interstit Cell	Adenoma Hyperplasia Mesothelioma Malignant	Mild
Thymus	Epithel Cell	Hyperplasia	Mild
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 132

TRT#: 3

SEX: Male

DAY ON TEST: 575

DOSE: 88 MG/KGHIGHMALE

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Brain		Granular Cell Tumor Benign	
Kidney	Renal Tubule	Adenoma	
Liver	Bile Duct	Hyperplasia	Mild
	Centrilobular	Necrosis	Minimal
Note: NECROSIS	TGLs = 2-12		
Lung		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Preputial Gland		Carcinoma	
		Inflammation	Chronic Active, Moderate
Note: CARCINOMA	TGLs = 1-13		
Spleen		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 133

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 88 MG/KGHIGHMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Preputial Gland	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Multifocal, Mild
Heart		Cardiomyopathy	Mild
Kidney	Renal Tubule	Adenoma	
		Nephropathy	Mild
Liver		Fatty Change	Focal, Mild
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-12			
Lung		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Lymph Node	Mesenteric, Sinus	Ectasia	Mild
	Mandibular	Hyperplasia	Plasma Cell, Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Prostate		Inflammation	Chronic Active, Mild
Spleen		Leukemia Mononuclear	
Stomach	Glandular	Degeneration	Cystic, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1-5+13			
Thymus	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 134 **TRT#:** 3 **SEX:** Male **DAY ON TEST:** 661
DOSE: 88 MG/KGHIGHMALE **DISP:** Moribund **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Preputial Gland	Salivary Glands	Seminal Vesicle
Skin	Spleen	Testes	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Brain	Brain Stem	Compression	Moderate
Heart		Cardiomyopathy	Mild
Kidney	Renal Tubule	Adenoma	
	Epithelium, Renal Tubule	Hyperplasia	Focal, Minimal
		Nephropathy	Moderate
Note: NEPHROPATHY TGLs = 1-4			
Liver		Fatty Change	Diffuse, Moderate
	Bile Duct	Hyperplasia	Mild
Note: FATTY CHANGE TGLs = 2-12			
Lung		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Lymph Node	Mesenteric, Sinus	Ectasia	Mild
	Mediastinal	Hemorrhage	Mild
	Mediastinal	Pigmentation	Hemosiderin, Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
Prostate		Cytoplasmic Alteration	Moderate
		Inflammation	Suppurative, Mild
Stomach	Glandular	Degeneration	Cystic, Minimal
	Forestomach	Inflammation	Chronic, Focal, Minimal
Thymus	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 135

TRT#: 3

SEX: Male

DAY ON TEST: 471

DOSE: 88 MG/KGHIGHMALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

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 - Mandibular

Lymph Node - Mesenteric

Mammary Gland

Nose

Pancreas

Preputial Gland

Prostate

Salivary Glands

Seminal Vesicle

Skin

Spleen

Stomach - Forestomach

Testes

Thyroid Gland

Trachea

Urinary Bladder

MISSING

Parathyroid Gland

Thymus

OBSERVATIONS

Brain

Brain Stem

Compression

Mild

Heart

Cardiomyopathy

Mild

Liver

Bile Duct

Hyperplasia

Mild

Lymph Node

Mediastinal

Hemorrhage

Mild

Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 1-1]

Stomach

Glandular

Degeneration

Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 136

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 88 MG/KGHIGHMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Kidney	Renal Tubule	Adenoma	
		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
Lung		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Prostate		Hyperplasia	Multifocal, Mild
Stomach	Glandular	Degeneration	Cystic, Mild
Testes	Bilateral, Interstit Cell	Adenoma	

Note: ADENOMA TGLs = 1-5+12

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 137

TRT#: 3

SEX: Male

DAY ON TEST: 680

DOSE: 88 MG/KGHIGHMALE

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Spleen
Stomach - Forestomach	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Adrenal Gland - Medulla	Mammary Gland	Preputial Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Bilateral, Cortex	Vacuolization Cytoplasmic	Focal, Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
Lung		Congestion	Mild
		Inflammation	Granulomatous, Focal, Mild
Note: CONGESTION TGLs = 5-6+7			
Pancreas	Acinus	Hyperplasia	Focal, Mild
Skin	Subcut Tiss	Fibroma	
Note: [FIBROMA] TGLs = 1-14			
Stomach	Glandular	Degeneration	Cystic, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 3-5+13			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 138

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 88 MG/KGHIGHMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Intestine Large - Colon
Intestine Small - Jejunum
Nose
Salivary Glands
Stomach - Forestomach
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Pancreas
Seminal Vesicle
Thymus

Bone Marrow
Heart
Intestine Small - Duodenum
Lymph Node - Mandibular
Pituitary Gland
Skin
Thyroid Gland

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Mammary Gland
Preputial Gland
Spleen
Trachea

MISSING

Parathyroid Gland

OBSERVATIONS

Kidney

Renal Tubule

Adenoma

Nephropathy

Mild

Note: RENAL ADENOMA DX BASED ON ATYPISM. SMALL LESION.

Liver

Bile Duct

Hyperplasia

Mild

Lung

Alveolar Epith

Hyperplasia

Focal, Mild

Inflammation

Granulomatous, Focal, Mild

Lymph Node

Mesenteric, Sinus

Ectasia

Mild

Mesentery

Fat

Necrosis

Focal, Marked

Note: NECROSIS TGLs = 2-13

Prostate

Inflammation

Chronic Active, Moderate

Spleen

Note: MESOTHELIAL TAGS ON SPLEEN. NO DX.

Stomach

Glandular

Degeneration

Cystic, Mild

Testes

Bilateral, Interstit Cell

Adenoma

Note: ADENOMA TGLs = 1-5+12

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 139

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 88 MG/KGHIGHMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland Note: [PHEOCHROM MAL] TGLs = 3-12	Medulla	Pheochromocytoma Malignant	
Kidney	Epithelium, Renal Tubule	Hyperplasia Nephropathy	Focal, Minimal Mild
Liver	Bile Duct	Hyperplasia	Mild
Lung		Infiltration Cellular Pigmentation	Histiocyte, Minimal Minimal
Mesentery	Artery	Inflammation	Chronic, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland Note: CARCINOMA TGLs = 1-14		Carcinoma	
Prostate		Hyperplasia Inflammation	Multifocal, Mild Chronic Active, Mild
Stomach	Glandular	Degeneration	Cystic, Minimal
Testes Note: ADENOMA TGLs = 2-5+13	Bilateral, Interstit Cell	Adenoma	
Thymus	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 140

TRT#: 3

SEX: Male

DAY ON TEST: 550

DOSE: 88 MG/KGHIGHMALE

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Preputial Gland	Prostate	Salivary Glands	Spleen
Stomach - Forestomach	Thymus	Thyroid Gland	Trachea

MISSING

Lymph Node - Mesenteric	Pituitary Gland
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OBSERVATIONS

Adrenal Gland	Bilateral, Cortex	Vacuolization Cytoplasmic	Focal, Mild
Heart		Cardiomyopathy	Minimal
		Dilatation	Moderate
	Epicardium	Inflammation	Subacute, Mild
	Myocardium	Inflammation	Subacute, Mild
Note: DILATATION TGLs = 5-12			
Kidney	Bilateral, Pelvis	Inflammation	Chronic Active, Moderate
		Nephropathy	Minimal
Note: INFLAMMATION TGLs = 3-4			
Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multifocal, Minimal
Lung		Congestion	Moderate
Note: CONGESTION TGLs = 4-6+7			
Lymph Node	Mandibular, Sinus	Ectasia	Moderate
Seminal Vesicle		Infiltration Cellular	Lymphocyte, Mild
Skin		Squamous Cell Carcinoma	
Note: SQUAM CEL CARC TGLs = 1-14			
Stomach	Glandular	Degeneration	Cystic, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Urinary Bladder		Dilatation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 140

TRT#: 3

SEX: Male

DAY ON TEST: 550

DOSE: 88 MG/KGHIGHMALE

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: DILATATION TGLs = 2-13

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 141

TRT#: 3

SEX: Male

DAY ON TEST: 648

DOSE: 88 MG/KGHIGHMALE

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Kidney	Renal Tubule	Adenoma	
		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Nose		Inflammation	Suppurative, Minimal
Preputial Gland		Carcinoma	
Note: CARCINOMA TGLs = 1-13			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-12			
Stomach	Glandular	Degeneration	Cystic, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 142

TRT#: 3

SEX: Male

DAY ON TEST: 653

DOSE: 88 MG/KGHIGHMALE

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Bone Marrow

Brain

Epididymis

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Lymph Node - Mesenteric

Pituitary Gland

Preputial Gland

Salivary Glands

Seminal Vesicle

Skin

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

Urinary Bladder

MISSING

Adrenal Gland - Medulla

Mammary Gland

Parathyroid Gland

OBSERVATIONS

Heart

Leukemia Mononuclear

Kidney

Nephropathy

Mild

Liver

Leukemia Mononuclear

Lung

Infiltration Cellular

Histiocyte, Minimal

Leukemia Mononuclear

Pigmentation

Minimal

Lymph Node

Mandibular

Leukemia Mononuclear

Mediastinal

Leukemia Mononuclear

Nose

Inflammation

Suppurative, Mild

Pancreas

Acinus

Atrophy

Mild

Prostate

Leukemia Mononuclear

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 2-12

Testes

Bilateral, Interstit Cell

Adenoma

Note: ADENOMA TGLs = 3-13

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 143

TRT#: 3

SEX: Male

DAY ON TEST: 695

DOSE: 88 MG/KGHIGHMALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Epididymis		Mesothelioma Malignant	Metastatic (Testes)
Kidney	Renal Tubule	Adenoma	
	Papilla	Mineralization	Mild
		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Moderate
Note: LEUKEMIA MONUC	TGLs = 2-12		
Lung		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
Stomach	Glandular	Degeneration	Cystic, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
		Mesothelioma Malignant	

Note: ADENOMA TGLs = 1-13

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 144

TRT#: 3

SEX: Male

DAY ON TEST: 469

DOSE: 88 MG/KGHIGHMALE

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Intestine Large - Rectum
Lung
Nose
Seminal Vesicle
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Islets, Pancreatic
Lymph Node - Mandibular
Pancreas
Skin
Thymus

Bone Marrow
Kidney
Lymph Node - Mesenteric
Prostate
Spleen
Thyroid Gland

Brain
Liver
Mammary Gland
Salivary Glands
Stomach - Forestomach
Trachea

MISSING

Epididymis

Parathyroid Gland

Preputial Gland

Testes

AUTO PRECLUDES DIAG.

Intestine Large - Cecum
Intestine Small - Jejunum

Intestine Large - Colon

Intestine Small - Duodenum

Intestine Small - Ileum

OBSERVATIONS

Esophagus
Heart
Pituitary Gland

Pars Distalis

Inflammation
Cardiomyopathy
Hyperplasia

Chronic, Mild
Mild
Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 145

TRT#: 3

SEX: Male

DAY ON TEST: 625

DOSE: 88 MG/KGHIGHMALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Intestine Large - Rectum
Islets, Pancreatic
Prostate
Spleen
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Small - Duodenum
Mammary Gland
Salivary Glands
Stomach - Forestomach

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Pancreas
Seminal Vesicle
Thymus

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Parathyroid Gland
Skin
Trachea

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Heart
Kidney

Epithelium, Renal Tubule

Cardiomyopathy
Hyperplasia
Nephropathy

Mild
Focal, Minimal
Mild

Liver
Lung

Bile Duct

Hyperplasia
Infiltration Cellular
Pigmentation

Minimal
Histiocyte, Minimal
Minimal

Lymph Node
Nose

Mandibular

Hyperplasia
Inflammation

Plasma Cell, Moderate
Suppurative, Moderate

Pituitary Gland
Preputial Gland

Pars Distalis

Hyperplasia
Carcinoma

Focal, Mild

Note: CARCINOMA TGLs = 1-12

Stomach
Testes
Thyroid Gland

Glandular
Bilateral, Interstit Cell
C Cell

Degeneration
Adenoma
Hyperplasia

Cystic, Mild
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 146

TRT#: 3

SEX: Male

DAY ON TEST: 683

DOSE: 88 MG/KGHIGHMALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Bone Marrow

Brain

Epididymis

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Nose

Parathyroid Gland

Prostate

Salivary Glands

Seminal Vesicle

Spleen

Stomach - Forestomach

Thyroid Gland

Trachea

Urinary Bladder

MISSING

Adrenal Gland - Medulla

Mammary Gland

OBSERVATIONS

Heart

Cardiomyopathy

Mild

Kidney

Epithelium, Renal Tubule

Hyperplasia

Focal, Minimal

Nephropathy

Mild

Liver

Bile Duct

Hyperplasia

Mild

Lung

Alveolar/Bronchiolar Adenoma

Congestion

Moderate

Note: CONGESTION TGLs = 3-6+7

Lymph Node

Mesenteric

Hemorrhage

Moderate

Mandibular

Hyperplasia

Plasma Cell, Moderate

Pancreas

Acinus

Atrophy

Minimal

Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 4-1]

Preputial Gland

Inflammation

Chronic Active, Mild

Skin

Hemorrhage

Moderate

Note: HEMORRHAGE TGLs = 1-12

Stomach

Glandular

Degeneration

Cystic, Mild

Testes

Interstitial Cell

Adenoma

Thymus

Epithel Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 147

TRT#: 3

SEX: Male

DAY ON TEST: 674

DOSE: 88 MG/KGHIGHMALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Parathyroid Gland	Thymus
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OBSERVATIONS

Kidney	Epithelium, Renal Tubule	Hyperplasia Nephropathy	Focal, Minimal Mild
Liver	Bile Duct	Fibrosis Hyperplasia Leukemia Mononuclear	Mild Mild
Note: [FIBROSIS] TGLs = 4-12 Note: LEUKEMIA MONUC TGLs = 3-3+12			
Lung		Hemorrhage Leukemia Mononuclear	Mild
Skin	Subcut Tiss	Fibroma	
Note: FIBROMA TGLs = 6-15			
Spleen		Leukemia Mononuclear Sarcoma	
Note: SPLENIC OSTEOSARCOMA. Note: SARCOMA TGLs = 2-13			
Stomach	Glandular Glandular	Degeneration Leukemia Mononuclear	Cystic, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1-14			
Thyroid Gland	Follicular Cel	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 147

TRT#: 3

SEX: Male

DAY ON TEST: 674

DOSE: 88 MG/KGHIGHMALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 148

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 88 MG/KGHIGHMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Bone Marrow

Brain

Epididymis

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Lymph Node - Mandibular

Lymph Node - Mesenteric

Mammary Gland

Pancreas

Parathyroid Gland

Pituitary Gland

Preputial Gland

Salivary Glands

Seminal Vesicle

Skin

Spleen

Stomach - Forestomach

Thyroid Gland

Trachea

Urinary Bladder

MISSING

Adrenal Gland - Medulla

OBSERVATIONS

Adrenal G1

Note: ONE ADRENAL MISSING.

Heart

Cardiomyopathy

Mild

Kidney

Renal Tubule

Adenoma

Liver

Bile Duct

Nephropathy

Mild

Lung

Hyperplasia

Mild

Lymph Node

Mediastinal

Inflammation

Granulomatous, Multifocal, Mild

Nose

Hemorrhage

Mild

Prostate

Fungus

Mild

Stomach

Glandular

Inflammation

Suppurative, Mild

Testes

Bilateral, Interstit Cell

Hyperplasia

Focal, Mild

Note: ADENOMA

TGLs = 1-12

Degeneration

Cystic, Mild

Thymus

Epithel Cell

Adenoma

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 149

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 88 MG/KGHIGHMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Adrenal Gland - Medulla	Parathyroid Gland
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OBSERVATIONS

Eye		Necrosis	Marked
Note: EYE: PHTHISIS BULBI.			
Note: NECROSIS TGLs = 1-13			
Heart		Cardiomyopathy	Mild
Kidney	Renal Tubule	Adenoma	Multiple
	Epithelium, Renal Tubule	Hyperplasia	Focal, Minimal
		Nephropathy	Moderate
Note: NEPHROPATHY TGLs = 3-4			
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multifocal, Minimal
Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Granulomatous, Multifocal, Mild
		Pigmentation	Minimal
Mammary Gland	Duct	Ectasia	Moderate
Nose		Foreign Body	Mild
		Inflammation	Suppurative, Mild
Pancreas	Acinus	Hyperplasia	Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
Prostate		Hyperplasia	Focal, Mild
Stomach	Glandular	Degeneration	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 149

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 88 MG/KGHIGHMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Testes	Interstit Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 150

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 88 MG/KGHIGHMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Trachea	Urinary Bladder		

MISSING

Mammary Gland

INSUFFICIENT TISSUE

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Heart		Cardiomyopathy	Mild
Kidney	Renal Tubule	Adenoma	Multiple
		Lipoma	
Liver		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
Lung		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Mesentery	Fat	Necrosis	Focal, Marked
		Thrombosis	Marked
Note: NECROSIS	TGLs = 2-15		
Note: THROMBUS	TGLs = 1-14		
Pituitary Gland		Hemorrhage	Mild
Preputial Gland		Adenoma	
Spleen		Hematopoietic Cell Proliferation	Moderate
Stomach	Glandular	Degeneration	Cystic, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 3,4-5+13		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 150

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 88 MG/KGHIGHMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Thymus	Epithel Cell	Hyperplasia	Mild
Thyroid Gland		Ultimobranchial Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 151

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 88 MG/KGHIGHMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Kidney	Renal Tubule	Adenoma	Multiple
	Epithelium, Renal Tubule	Hyperplasia	Focal, Mild
		Nephropathy	Minimal
Liver		Fatty Change	Focal, Minimal
	Bile Duct	Hyperplasia	Mild
Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Granulomatous, Multifocal, Minimal
		Pigmentation	Minimal
Nose		Foreign Body	Minimal
Preputial Gland	Duct	Ectasia	Mild
		Inflammation	Chronic, Mild
Prostate		Hyperplasia	Multifocal, Mild
Stomach	Glandular	Degeneration	Cystic, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 1-12		
Thymus	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 152

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 88 MG/KGHIGHMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Malignant	
Heart		Cardiomyopathy	Mild
	Artery	Inflammation	Chronic, Moderate
Kidney	Renal Tubule	Adenoma	
		Nephropathy	Moderate
Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
Lung		Infiltration Cellular	Histiocyte, Minimal
		Pheochromocytoma Malignant	Metastatic (Adrenal Gland)
		Pigmentation	Minimal
Lymph Node	Mandibular, Sinus	Ectasia	Mild
Nose		Fungus	Mild
		Inflammation	Suppurative, Moderate
Pancreas	Artery	Inflammation	Chronic, Moderate
Prostate		Inflammation	Chronic Active, Mild
Seminal Vesicle	Artery	Inflammation	Chronic, Mild
Stomach	Glandular	Degeneration	Cystic, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 1-5+12		
Thymus	Epithel Cell	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Adenoma	
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 153

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 88 MG/KGHIGHMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Kidney	Renal Tubule	Adenoma	Multiple
	Epithelium, Renal Tubule	Hyperplasia	Focal, Mild
		Nephropathy	Moderate
Note: NEPHROPATHY TGLs = 2-4			
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multifocal, Minimal
		Leukemia Mononuclear	
Lung		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Preputial Gland		Inflammation	Chronic Active, Minimal
Spleen		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1-5+12			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 154

TRT#: 3

SEX: Male

DAY ON TEST: 690

DOSE: 88 MG/KGHIGHMALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Brain	Brain Stem	Compression	Moderate
Heart		Cardiomyopathy	Mild
Kidney	Renal Tubule	Adenoma	Multiple
	Epithelium, Renal Tubule	Hyperplasia	Focal, Mild
Liver	Periportal	Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
Lung		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Mesentery	Fat	Necrosis	Focal, Marked
Note: NECROSIS TGLs = 1-12			
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
Prostate		Inflammation	Chronic Active, Moderate
Stomach	Forestomach	Hyperplasia	Focal, Mild
	Forestomach	Inflammation	Chronic, Focal, Mild
Testes	Interstit Cell	Hyperplasia	Mild
		Hypospermia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 155

TRT#: 3

SEX: Male

DAY ON TEST: 632

DOSE: 88 MG/KGHIGHMALE

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Intestine Large - Rectum
Islets, Pancreatic
Pancreas
Seminal Vesicle
Thyroid Gland

Adrenal Gland - Medulla
Esophagus
Intestine Small - Duodenum
Lymph Node - Mesenteric
Parathyroid Gland
Skin
Trachea

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Mammary Gland
Pituitary Gland
Spleen
Urinary Bladder

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Nose
Prostate
Stomach - Glandular

MISSING

Lymph Node - Mandibular

Preputial Gland

Salivary Glands

Thymus

OBSERVATIONS

Heart
Kidney
Liver

Dilatation
Nephropathy
Fatty Change
Hyperplasia

Mild
Mild
Diffuse, Mild
Mild

Note: FATTY CHANGE TGLs = 3-3

Lung

Bile Duct

Alveolus, Peribronchiolr

Inflammation

Suppurative, Marked

Mesentery

Bronchiole

Inflammation

Suppurative, Marked

Note: NECROSIS TGLs = 2-13

Stomach

Fat

Necrosis

Focal, Marked

Testes

Forestomach

Hyperplasia

Focal, Mild

Forestomach

Inflammation

Chronic, Focal, Mild

Interstit Cell

Adenoma

Giant Cell

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 156

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 88 MG/KGHIGHMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Intestine Large - Colon
Intestine Small - Jejunum
Nose
Salivary Glands
Stomach - Forestomach

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Pancreas
Seminal Vesicle
Trachea

Bone Marrow
Heart
Intestine Small - Duodenum
Lymph Node - Mandibular
Parathyroid Gland
Skin
Urinary Bladder

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mesenteric
Preputial Gland
Spleen

MISSING

Mammary Gland

Thymus

OBSERVATIONS

Kidney
Liver

Nephropathy
Fatty Change
Hyperplasia
Hyperplasia
Infiltration Cellular
Pigmentation

Mild
Multifocal, Minimal
Mild
Multifocal, Mild
Histiocyte, Minimal
Minimal

Lung

Bile Duct
Alveolar Epith

Adenoma
Inflammation
Degeneration
Adenoma

Chronic Active, Mild
Cystic, Minimal

Pituitary Gland
Prostate
Stomach
Testes

Pars Distalis
Glandular
Bilateral, Interstit Cell

Note: ADENOMA TGLs = 1-5+12
Thyroid Gland

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 157

TRT#: 3

SEX: Male

DAY ON TEST: 554

DOSE: 88 MG/KGHIGHMALE

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Epididymis	Esophagus
Intestine Large - Colon	Intestine Large - Rectum	Islets, Pancreatic	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Pituitary Gland

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
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OBSERVATIONS

Adrenal Gland	Cortex	Carcinoma	
	Medulla	Pheochromocytoma Benign	
Note: CARCINOMA	TGLs = 3-13		
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver		Congestion	Moderate
Lung		Congestion	Marked
Note: CONGESTION	TGLs = 4-6+7		
Lymph Node	Mesenteric	Hemorrhage	Moderate
Testes	Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 5-5		

PRIMARY CAUSE OF DEATH

-

Animal Note: DIAPHRAGMATIC HERNIA PRESENT. SLIDE #12.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 158

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 88 MG/KGHIGHMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Malignant	
Kidney	Renal Tubule	Adenoma	Multiple
	Epithelium, Renal Tubule	Hyperplasia	Multifocal, Mild
		Nephropathy	Marked
Note: NEPHROPATHY TGLs = 5-4			
Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
		Pigmentation	Minimal
Mesentery	Fat	Necrosis	Focal, Marked
Note: NECROSIS TGLs = 2-15			
Skin		Cyst Epithelial Inclusion	
Note: CYST EPITH INC TGLs = 3-12			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-13			
Stomach	Glandular	Degeneration	Cystic, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1-5+14			
Thymus	Epithel Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 158

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 88 MG/KGHIGHMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland

C Cell

Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 159

TRT#: 3

SEX: Male

DAY ON TEST: 528

DOSE: 88 MG/KGHIGHMALE

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Rectum
Lymph Node - Mandibular
Preputial Gland
Spleen
Thyroid Gland

Bone Marrow
Heart
Islets, Pancreatic
Mammary Gland
Prostate
Stomach - Forestomach
Trachea

Brain
Intestine Large - Cecum
Kidney
Nose
Salivary Glands
Stomach - Glandular
Urinary Bladder

Epididymis
Intestine Large - Colon
Lung
Pancreas
Seminal Vesicle
Thymus

MISSING

Lymph Node - Mesenteric

Parathyroid Gland

AUTO PRECLUDES DIAG.

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

OBSERVATIONS

Adrenal Gland
Bone
Note: PRIMARY SITE - UNKNOWN
Note: [SARCOMA] TGLs = 3-12
Liver
Note: NECROSIS TGLs = 1-3
Lymph Node
Note: PRIMARY SITE - UNKNOWN
Pituitary Gland
Skin
Note: PRIMARY SITE - UNKNOWN
Note: [SARCOMA] TGLs = 2-13
Testes

Medulla
Vertebra
Centrilobular
Mediastinal
Mediastinal
Subcut Tiss
Interstit Cell

Pheochromocytoma Benign
Sarcoma
Necrosis
Hemorrhage
Sarcoma
Cyst
Sarcoma
Adenoma

Metastatic (Uncertain Primary Site)
Mild
Moderate
Metastatic (Uncertain Primary Site)
Metastatic (Uncertain Primary Site)

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 160

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 88 MG/KGHIGHMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Small - Ileum
Nose
Trachea

Bone Marrow
Intestine Large - Cecum
Intestine Small - Jejunum
Salivary Glands
Urinary Bladder

Brain
Intestine Large - Colon
Lung
Seminal Vesicle

Epididymis
Intestine Small - Duodenum
Lymph Node - Mandibular
Spleen

MISSING

Lymph Node - Mesenteric

Parathyroid Gland

Thymus

INSUFFICIENT TISSUE

Intestine Large - Rectum

OBSERVATIONS

Adrenal Gland

Medulla
Medulla

Pheochromocytoma Benign
Pheochromocytoma Malignant

Note: PHEOCHROM BGN TGLs = 6-15

Bone

Cranium
Femur

Fibrous Osteodystrophy
Fibrous Osteodystrophy

Mild
Moderate

Eye

Retina

Cataract
Degeneration

Marked
Moderate

Note: CATARACT TGLs = 3-13

Heart

Cardiomyopathy

Mild

Islets, Pancreatic

Adenoma

Note: ADENOMA TGLs = 5-14

Kidney

Renal Tubule
Epithelium, Renal Tubule

Adenoma
Hyperplasia
Nephropathy

Multiple
Multifocal, Mild
Marked

Note: NEPHROPATHY TGLs = 7-4

Liver

Bile Duct
Duct

Hyperplasia
Ectasia
Galactocele

Mild
Moderate

Note: GALACTOCELE TGLs = 2-16

Pancreas

Acinus

Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 160	TRT#: 3	SEX: Male	DAY ON TEST: 731
	DOSE: 88 MG/KGHIGHMALE	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Pituitary Gland Note: ADENOMA TGLs = 8-12	Acinus Pars Distalis	Hyperplasia Adenoma	Focal, Mild
Preputial Gland		Inflammation	Chronic Active, Mild
Prostate		Inflammation	Chronic Active, Marked
Skin Note: BASAL CEL ADEN TGLs = 4-17		Basal Cell Adenoma	
Stomach	Glandular	Degeneration	Cystic, Mild
	Forestomach	Inflammation	Chronic, Focal, Moderate
Testes Note: INFLAMMATION TGLs = 1-5	Arteriole	Inflammation	Chronic, Moderate
Thyroid Gland	Follicular Cel	Carcinoma	
Tissue NOS Note: TISSUE NOS = MEDIASTINAL ARTERY.		Necrosis	Fibrinoid, Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 161

TRT#: 3

SEX: Male

DAY ON TEST: 700

DOSE: 88 MG/KGHIGHMALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lung	Mammary Gland	Nose	Pituitary Gland
Prostate	Salivary Glands	Stomach - Forestomach	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland	Preputial Gland
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OBSERVATIONS

Heart		Mineralization	Moderate
Islets, Pancreatic		Adenoma	
Kidney	Epithelium, Renal Tubule	Hyperplasia	Focal, Minimal
		Nephropathy	Mild
Note: NEPHROPATHY	TGLs = 2-4		
Liver	Bile Duct	Hyperplasia	Mild
	Centrilobular	Necrosis	Moderate
		Sarcoma	Metastatic (Mesentery)
Note: NECROSIS	TGLs = 3-3+14		
Lymph Node	Mediastinal	Hemorrhage	Moderate
	Mediastinal	Sarcoma	Metastatic (Mesentery)
Mesentery		Sarcoma	
Note: SARCOMA	TGLs = 4-8+13		
Pancreas		Sarcoma	Metastatic (Mesentery)
Seminal Vesicle		Sarcoma	Metastatic (Mesentery)
Skin		Keratoacanthoma	
Note: KERATOACANTHMA	TGLs = 1-12		
Spleen		Hematopoietic Cell Proliferation	Moderate
Stomach	Glandular	Degeneration	Cystic, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 161

TRT#: 3

SEX: Male

DAY ON TEST: 700

DOSE: 88 MG/KGHIGHMALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 162

TRT#: 3

SEX: Male

DAY ON TEST: 687

DOSE: 88 MG/KGHIGHMALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Bone Marrow

Epididymis

Esophagus

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Lymph Node - Mandibular

Lymph Node - Mesenteric

Nose

Pancreas

Prostate

Salivary Glands

Seminal Vesicle

Spleen

Stomach - Glandular

Thyroid Gland

Trachea

Urinary Bladder

MISSING

Parathyroid Gland

Preputial Gland

Skin

OBSERVATIONS

Adrenal Gland

Medulla

Hyperplasia

Multifocal, Mild

Brain

Brain Stem

Compression

Moderate

Kidney

Epithelium, Renal Tubule

Hyperplasia

Multifocal, Minimal

Nephropathy

Mild

Liver

Fatty Change

Diffuse, Mild

Bile Duct

Hyperplasia

Mild

Lung

Alveolar Epith

Hyperplasia

Focal, Mild

Mammary Gland

Duct

Ectasia

Mild

Mesentery

Fat

Necrosis

Focal, Marked

Note: NECROSIS TGLs = 3-15

Pituitary Gland

Pars Distalis

Adenoma

Note: ADENOMA TGLs = 5-12

Stomach

Glandular

Degeneration

Cystic, Minimal

Forestomach

Inflammation

Acute, Mild

Testes

Bilateral, Interstit Cell

Adenoma

Note: ADENOMA TGLs = 1-5+13

Thymus

Epithel Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 163

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 88 MG/KGHIGHMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Parathyroid Gland	Preputial Gland
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
	Medulla	Pheochromocytoma Benign	
Note: PHEOCHROM BGN TGLs = 2-12			
Brain	Cerebellum, Meninges	Granular Cell Tumor Benign	
Heart		Cardiomyopathy	Mild
	Aortic Valve	Inflammation	Chronic, Moderate
Kidney	Renal Tubule	Adenoma	
	Epithelium, Renal Tubule	Hyperplasia	Focal, Minimal
		Nephropathy	Marked
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Pancreas	Acinus	Atrophy	Mild
	Acinus	Hyperplasia	Focal, Mild
Note: PANCREATIC HYPERPLASIA IN SLIDE #10.			
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Spleen		Leukemia Mononuclear	
Stomach	Glandular	Degeneration	Cystic, Minimal
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 163

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 88 MG/KGHIGHMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Hypospermia

Moderate

Note: ADENOMA TGLs = 1-13

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 164

TRT#: 3

SEX: Male

DAY ON TEST: 630

DOSE: 88 MG/KGHIGHMALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Brain	Brain Stem	Hemorrhage	Moderate
		Leukemia Mononuclear	
Note: HEMORRHAGE	TGLs = 4-12		
Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
Kidney	Renal Tubule	Adenoma	
	Epithelium, Renal Tubule	Hyperplasia	Focal, Minimal
		Leukemia Mononuclear	
Liver	Bile Duct	Nephropathy	Mild
		Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 2-3+14		
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-6+7		
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Pancreas	Acinus	Atrophy	Minimal
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 164	TRT#: 3	SEX: Male	DAY ON TEST: 630
	DOSE: 88 MG/KGHIGHMALE	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Pituitary Gland		Leukemia Mononuclear	
Seminal Vesicle		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 1-13		
Stomach	Glandular	Degeneration	Cystic, Minimal
	Glandular	Erosion	Mild
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Thymus	Epithel Cell	Hyperplasia	Mild
		Leukemia Mononuclear	
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 165

TRT#: 3

SEX: Male

DAY ON TEST: 696

DOSE: 88 MG/KGHIGHMALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Intestine Large - Colon
Intestine Small - Jejunum
Nose
Salivary Glands
Trachea

Bone Marrow
Intestine Large - Rectum
Islets, Pancreatic
Parathyroid Gland
Seminal Vesicle
Urinary Bladder

Epididymis
Intestine Small - Duodenum
Lymph Node - Mandibular
Pituitary Gland
Stomach - Forestomach

Esophagus
Intestine Small - Ileum
Lymph Node - Mesenteric
Prostate
Thymus

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland
Brain
Heart

Cortex
Cerebellum, Meninges

Vacuolization Cytoplasmic
Granular Cell Tumor Benign
Cardiomyopathy

Multifocal, Minimal

Intestine Large
Kidney

Atrium
Cecum
Renal Tubule
Epithelium, Renal Tubule

Thrombosis
Ulcer

Mild
Moderate
Multifocal, Moderate

Liver

Bile Duct
Centrilobular

Adenoma
Hyperplasia
Hyperplasia
Necrosis

Focal, Mild
Mild
Moderate

Note: NECROSIS TGLs = 4-3+15

Lung

Acinus

Inflammation
Atrophy
Carcinoma

Granulomatous, Multifocal, Mild
Mild

Pancreas

Preputial Gland

Note: CARCINOMA TGLs = 2-13

Skin

Note: KERATOACANTHOMA TGLs = 1-14

Keratoacanthoma

Spleen

Stomach

Testes

Note: ADENOMA TGLs = 3-5+13

Thyroid Gland

Glandular
Bilateral, Interstit Cell

Hematopoietic Cell Proliferation
Degeneration
Adenoma

Moderate
Cystic, Minimal

Follicular Cel

Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 165

TRT#: 3

SEX: Male

DAY ON TEST: 696

DOSE: 88 MG/KGHIGHMALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 166

TRT#: 3

SEX: Male

DAY ON TEST: 676

DOSE: 88 MG/KGHIGHMALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Bone Marrow

Brain

Esophagus

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Lymph Node - Mandibular

Mammary Gland

Parathyroid Gland

Pituitary Gland

Preputial Gland

Prostate

Salivary Glands

Seminal Vesicle

Spleen

Stomach - Forestomach

Thyroid Gland

Trachea

MISSING

Thymus

INSUFFICIENT TISSUE

Adrenal Gland - Medulla

OBSERVATIONS

Bone

Vertebra

Chordoma

Note: [CHORDOMA] TGLs = 8-14

Epididymis

Mesothelioma Malignant

Metastatic (Testes)

Kidney

Renal Tubule

Adenoma

Multiple

Note: NEPHROPATHY TGLs = 7-4

Nephropathy

Mild

Liver

Bile Duct

Hyperplasia

Mild

Lung

Alveolar Epith

Hyperplasia

Focal, Mild

Lymph Node

Mediastinal

Hemorrhage

Mild

Mesenteric

Hemorrhage

Mild

Nose

Inflammation

Suppurative, Mild

Pancreas

Acinus

Atrophy

Mild

Skin

Subcut Tiss

Fibroma

Inflammation

Chronic, Mild

Note: FIBROMA TGLs = 3-15

Note: INFLAMMATION TGLs = 2-16

Stomach

Glandular

Degeneration

Cystic, Minimal

Testes

Bilateral, Interstit Cell

Adenoma

Mesothelioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 166

TRT#: 3

SEX: Male

DAY ON TEST: 676

DOSE: 88 MG/KGHIGHMALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 4,5-5+12
Urinary Bladder

Dilatation
Hemorrhage

Moderate
Moderate

Note: DILATATION TGLs = 6-13

Note: HEMORRHAGE TGLs = 6-13

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 167

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 88 MG/KGHIGHMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Heart		Cardiomyopathy	Mild
	Atrium	Thrombosis	Marked
Kidney	Renal Tubule	Adenoma	
		Nephropathy	Mild
Liver		Angiectasis	Mild
		Degeneration	Cystic, Minimal
		Fatty Change	Multifocal, Minimal
	Bile Duct	Hyperplasia	Moderate
Lymph Node	Adventitia, Mandibular	Fibrosis	Moderate
Nose		Fungus	Moderate
		Inflammation	Suppurative, Moderate
Pancreas	Acinus	Atrophy	Mild
	Acinus	Hyperplasia	Multifocal, Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Salivary Glands	Adventitia	Fibrosis	Moderate
Spleen		Hyperplasia	Reticulum Cell, Focal, Marked
Note: HYPERPLASIA	TGLs = 1-13		
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 3,4-5+14		
Zymbal's Gland		Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 167

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 88 MG/KGHIGHMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: CARCINOMA TGLs = 6-12

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 168

TRT#: 3

SEX: Male

DAY ON TEST: 584

DOSE: 88 MG/KGHIGHMALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland	Preputial Gland	Skin
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OBSERVATIONS

Brain	Pons	Hemorrhage Leukemia Mononuclear	Moderate
Kidney	Epithelium, Renal Tubule	Hyperplasia Nephropathy	Focal, Minimal Mild
Liver	Bile Duct	Hyperplasia Leukemia Mononuclear	Mild
Lung Note: LEUKEMIA MONUC TGLs = 3-6+7		Leukemia Mononuclear	
Lymph Node	Mandibular Mesenteric	Leukemia Mononuclear Leukemia Mononuclear	
Mesentery Note: NECROSIS TGLs = 2-13	Fat	Necrosis	Focal, Marked
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Spleen Note: LEUKEMIA MONUC TGLs = 1-12		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
Thymus	Epithel Cell	Hemorrhage Hyperplasia Leukemia Mononuclear	Mild Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 169

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 88 MG/KGHIGHMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Kidney	Epithelium, Renal Tubule	Hyperplasia	Focal, Minimal
		Nephropathy	Mild
Liver		Hepatocellular Carcinoma	
	Bile Duct	Hyperplasia	Mild
Note: HEPATOCLR CARC TGLs = 2-13			
Nose		Inflammation	Suppurative, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 3-12			
Prostate		Hyperplasia	Focal, Mild
Stomach	Glandular	Degeneration	Cystic, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1-5+14			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 170

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 88 MG/KGHIGHMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Intestine Large - Colon
Intestine Small - Jejunum
Mammary Gland
Preputial Gland
Spleen
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Nose
Prostate
Stomach - Forestomach

Bone Marrow
Heart
Intestine Small - Duodenum
Lymph Node - Mandibular
Pancreas
Salivary Glands
Thyroid Gland

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mesenteric
Parathyroid Gland
Seminal Vesicle
Trachea

OBSERVATIONS

Kidney

Liver
Lung

Pituitary Gland
Skin
 Note: FIBROMA TGLs = 2-13
Stomach
Testes
 Note: ADENOMA TGLs = 1-5+12
Thymus

Epithelium, Renal Tubule

Bile Duct
Alveolar Epith

Subcut Tiss

Glandular
Bilateral, Interstit Cell

Epithel Cell

Hyperplasia
Nephropathy
Hyperplasia
Hyperplasia
Inflammation
Angiectasis
Fibroma

Degeneration
Adenoma

Hyperplasia

Focal, Mild
Mild
Mild
Focal, Mild
Granulomatous, Multifocal, Minimal
Mild

Cystic, Minimal

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 181

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Nose
Skin
Urinary Bladder

Bone Marrow
Heart
Intestine Small - Duodenum
Kidney
Ovary
Stomach - Forestomach

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Parathyroid Gland
Thyroid Gland

Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Salivary Glands
Trachea

OBSERVATIONS

Adrenal Gland
Liver

Cortex
Bile Duct

Hyperplasia
Hyperplasia
Leukemia Mononuclear

Focal, Mild
Mild

Note: LEUKEMIA MONUC TGLs = 2-13
Lung

Infiltration Cellular
Leukemia Mononuclear
Pigmentation

Histiocyte, Minimal

Mammary Gland
Pancreas
Pituitary Gland

Acinus
Pars Distalis

Adenocarcinoma
Atrophy
Adenoma

Minimal
Mild

Note: ADENOMA TGLs = 3-12
Spleen
Stomach

Leukemia Mononuclear
Degeneration
Leukemia Mononuclear

Cystic, Minimal

Thymus
Uterus

Glandular
Glandular
Epithel Cell

Hyperplasia
Leiomyoma

Mild

Note: [LEIOMYOMA] TGLs = 1-14

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 182

TRT#: 4

SEX: Female

DAY ON TEST: 703

DOSE: CONTROL FEMALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Heart
Intestine Small - Ileum
Lymph Node - Mandibular
Pancreas
Stomach - Forestomach
Trachea

Adrenal Gland - Medulla
Intestine Large - Cecum
Intestine Small - Jejunum
Lymph Node - Mesenteric
Salivary Glands
Stomach - Glandular
Uterus

Bone Marrow
Intestine Large - Colon
Islets, Pancreatic
Nose
Skin
Thymus

Esophagus
Intestine Large - Rectum
Kidney
Ovary
Spleen
Thyroid Gland

MISSING

Clitoral Gland

Parathyroid Gland

Urinary Bladder

AUTO PRECLUDES DIAG.

Intestine Small - Duodenum

OBSERVATIONS

Brain
Liver
Lung
 Note: CONGESTION TGLs = 3-6+7
Mammary Gland
 Note: [FIBROADENOMA] TGLs = 1-12
 Note: FIBROADENOMA TGLs = 5-13
Pituitary Gland
 Note: ADENOMA TGLs = 4-1

Brain Stem
Bile Duct

Pars Distalis

Compression
Hyperplasia
Congestion

Fibroadenoma

Adenoma

Moderate
Mild
Marked

Multiple

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 183 **TRT#:** 4 **SEX:** Female **DAY ON TEST:** 729
DOSE: CONTROL FEMALE **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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
Mammary Gland	Nose	Ovary	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Clitoral Gland		Inflammation	Chronic Active, Marked
Note: INFLAMMATION TGLs = 1-13			
Liver		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
		Pigmentation	Minimal
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Pancreas		Leukemia Mononuclear	
Pituitary Gland		Cyst	
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-12			
Thymus	Epithel Cell	Hyperplasia	Mild
Uterus		Polyp Stromal	Multiple

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 184

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Mammary Gland
Parathyroid Gland
Stomach - Forestomach

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Nose
Salivary Glands
Trachea

Bone Marrow
Heart
Intestine Small - Duodenum
Lymph Node - Mandibular
Ovary
Skin
Uterus

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mesenteric
Pancreas
Spleen

OBSERVATIONS

Kidney
Liver
Lung

Nephropathy
Inflammation
Infiltration Cellular
Pigmentation
Adenoma

Minimal
Granulomatous, Multifocal, Minimal
Histiocyte, Minimal
Minimal

Pituitary Gland
Note: ADENOMA TGLs = 3-12

Pars Distalis

Stomach
Thymus
Thyroid Gland
Urinary Bladder

Glandular
Epithel Cell
C Cell

Degeneration
Hyperplasia
Hyperplasia
Infiltration Cellular

Cystic, Mild
Mild
Minimal
Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 185	TRT#: 4	SEX: Female	DAY ON TEST: 717
	DOSE: CONTROL FEMALE	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Adrenal Gland - Medulla	Clitoral Gland	Parathyroid Gland	Thymus
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OBSERVATIONS

Brain	Brain Stem	Compression	Moderate
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Lung		Congestion	Moderate
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-13			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2-12			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 186

TRT#: 4

SEX: Female

DAY ON TEST: 489

DOSE: CONTROL FEMALE

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	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	Salivary Glands	Skin
Stomach - Forestomach	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Brain	Brain Stem	Gliosis	Minimal
	Cerebellum	Gliosis	Minimal
	Cerebellum	Hemorrhage	Mild
	Cerebrum	Hemorrhage	Mild
		Leukemia Mononuclear	
	Pons	Necrosis	Mild
	Brain Stem	Pigmentation	Hemosiderin, Minimal
	Cerebellum	Pigmentation	Hemosiderin, Minimal
Note: HEMORRHAGE TGLs = 5-1+12 [Leukemia Mononuclear TGLS = 4-1]			
Clitoral Gland	Duct	Ectasia	Mild
Heart		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
Note: LEUKEMIA MONUC TGLs = 2-4			
Liver		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
Note: LEUKEMIA MONUC TGLs = 1-3			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 186	TRT#: 4	SEX: Female	DAY ON TEST: 489
	DOSE: CONTROL FEMALE	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Ovary		Leukemia Mononuclear	
Pituitary Gland		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-1		
Spleen		Leukemia Mononuclear	
		Necrosis	Moderate
Note: LEUKEMIA MONUC	TGLs = 6,7-3+12		
Note: NECROSIS	TGLs = 8-12		
Stomach	Glandular	Erosion	Mild
	Glandular	Leukemia Mononuclear	
Note: EROSION	TGLs = 9-8+13		
Note: LEUKEMIA MONUC	TGLs = 9-8		
Thymus		Leukemia Mononuclear	
Uterus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 187

TRT#: 4

SEX: Female

DAY ON TEST: 634

DOSE: CONTROL FEMALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla Cortex	Hyperplasia Vacuolization Cytoplasmic Carcinoma	Focal, Mild Focal, Minimal
Clitoral Gland Note: CARCINOMA TGLs = 2-13			
Liver		Basophilic Focus	Mild
Lung		Infiltration Cellular Pigmentation	Histiocyte, Minimal Minimal
Pituitary Gland [Adenoma TGLS = 5-1]	Pars Distalis	Adenoma	
Spleen Note: HEMA CELL PROL TGLs = 3-3		Hematopoietic Cell Proliferation	Marked
Stomach	Glandular	Degeneration	Cystic, Mild
Thymus	Epithel Cell	Hyperplasia	Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: PALE EYES AND LIVER DUE TO SEVERE ANEMIA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 188

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Ovary
Skin
Trachea

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Lymph Node - Mandibular
Pancreas
Spleen
Urinary Bladder

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mesenteric
Parathyroid Gland
Stomach - Forestomach
Uterus

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Nose
Salivary Glands
Thyroid Gland

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Clitoral Gland
Kidney

Inflammation
Calculus Micro Observation Only
Cyst

Chronic, Mild
Mild

Liver
Lung

Inflammation
Infiltration Cellular
Pigmentation

Granulomatous, Multifocal, Mild
Histiocyte, Minimal

Mammary Gland

Fibroadenoma
Galactocele

Minimal
Multiple

Note: FIBROADENOMA TGLs = 1,2-12+13

Note: GALACTOCELE TGLs = 3-14

Stomach
Thymus

Glandular
Epithel Cell

Degeneration
Hyperplasia

Cystic, Mild
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 189

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Intestine Large - Cecum
Intestine Small - Ileum
Pancreas
Stomach - Forestomach

Bone Marrow
Intestine Large - Colon
Intestine Small - Jejunum
Parathyroid Gland
Trachea

Brain
Intestine Large - Rectum
Islets, Pancreatic
Salivary Glands
Urinary Bladder

Esophagus
Intestine Small - Duodenum
Nose
Skin
Uterus

MISSING

Clitoral Gland

OBSERVATIONS

Adrenal Gland
Heart
Kidney
Liver
Lung

Cortex

Leukemia Mononuclear
Cardiomyopathy
Nephropathy
Leukemia Mononuclear
Infiltration Cellular
Leukemia Mononuclear
Pigmentation

Mild
Minimal
Histiocyte, Minimal
Minimal

Lymph Node

Mandibular
Mesenteric

Leukemia Mononuclear
Leukemia Mononuclear
Fibroadenoma

Mammary Gland

Note: FIBROADENOMA TGLs = 1-13

Ovary

Cyst

Pituitary Gland

Pars Distalis

Adenoma

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 2-12

Stomach

Glandular

Degeneration

Cystic, Mild

Thymus

Epithel Cell

Hyperplasia

Mild

Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 190

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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
Trachea	Urinary Bladder	Uterus	

MISSING

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

OBSERVATIONS

Clitoral Gland		Adenoma	
Heart		Cardiomyopathy	Mild
	Endocardium	Schwannoma Malignant	
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
		Pigmentation	Minimal
Lymph Node	Mandibular	Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2-12			
Spleen		Leukemia Monocytic	
Stomach	Glandular	Degeneration	Cystic, Mild
Thyroid Gland	C Cell	Hyperplasia	Mild
Tongue		Squamous Cell Papilloma	
Note: PAPILLOMA SQUA TGLs = 1-13			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 191

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Clitoral Gland
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Pituitary Gland	Salivary Glands
Spleen	Stomach - Forestomach	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	Mild
		Inflammation	Granulomatous, Multifocal, Minimal
Lung		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: FIBROADENOMA	TGLs = 2-13		
Skin	Subcut Tiss	Fibroma	
Note: FIBROMA	TGLs = 1-12		
Stomach	Glandular	Degeneration	Cystic, Mild
Thymus	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 192

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Pancreas
Skin
Urinary Bladder

Bone Marrow
Heart
Intestine Small - Duodenum
Lymph Node - Mandibular
Parathyroid Gland
Spleen
Uterus

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Nose
Pituitary Gland
Stomach - Forestomach

Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Ovary
Salivary Glands
Trachea

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland
Kidney
Liver

Cortex

Vacuolization Cytoplasmic
Nephropathy
Basophilic Focus
Inflammation
Infiltration Cellular
Pigmentation
Hemorrhage
Necrosis

Focal, Mild
Minimal
Mild
Granulomatous, Multifocal, Mild
Histiocyte, Minimal
Minimal
Moderate
Focal, Marked

Lung

Lymph Node
Mesentery

Mesenteric
Fat

Degeneration
Hyperplasia
Hyperplasia

Cystic, Mild
Mild
Mild

Note: NECROSIS TGLs = 1-12

Stomach
Thymus
Thyroid Gland

Glandular
Epithel Cell
C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 193

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Ovary
Stomach - Forestomach
Uterus

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Lymph Node - Mesenteric
Pancreas
Thyroid Gland

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Mammary Gland
Parathyroid Gland
Trachea

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Nose
Salivary Glands
Urinary Bladder

MISSING

Clitoral Gland

OBSERVATIONS

Eye
Note: CATARACT TGLs = 2-12
Kidney
Liver
Lung
Lymph Node
Pituitary Gland
[Adenoma TGLS = 4-1]
Skin
Note: [SARCOMA] TGLs = 1-14
Spleen
Note: HEMA CELL PROL TGLs = 3-13
Stomach
Thymus

Bilateral
Retina
Mandibular
Pars Distalis
Glandular
Epithel Cell

Cataract
Degeneration
Nephropathy
Hematopoietic Cell Proliferation
Infiltration Cellular
Pigmentation
Hyperplasia
Adenoma
Sarcoma
Hematopoietic Cell Proliferation
Degeneration
Hyperplasia

Moderate
Mild
Mild
Minimal
Histiocyte, Minimal
Minimal
Plasma Cell, Moderate
Marked
Cystic, Minimal
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 194

TRT#: 4

SEX: Female

DAY ON TEST: 633

DOSE: CONTROL FEMALE

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Nose
Salivary Glands
Stomach - Glandular
Uterus

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Lung
Ovary
Skin
Thyroid Gland

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Pancreas
Spleen
Trachea

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Parathyroid Gland
Stomach - Forestomach
Urinary Bladder

MISSING

Clitoral Gland Thymus

OBSERVATIONS

Kidney		Nephropathy	Minimal
Liver		Fatty Change	Focal, Mild
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-14			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 3-1+13			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 195

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone Marrow

Brain

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Liver

Lymph Node - Mandibular

Lymph Node - Mesenteric

Mammary Gland

Nose

Ovary

Salivary Glands

Skin

Spleen

Stomach - Forestomach

Trachea

Urinary Bladder

Uterus

MISSING

Clitoral Gland

Parathyroid Gland

Thymus

OBSERVATIONS

Heart

Cardiomyopathy

Mild

Kidney

Nephropathy

Minimal

Lung

Inflammation

Granulomatous, Multifocal, Mild

Pancreas

Acinus

Atrophy

Mild

Pituitary Gland

Cyst

Stomach

Glandular

Degeneration

Cystic, Minimal

Thyroid Gland

C Cell

Carcinoma

Note: [CARCINOMA] TGLs = 2-12

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 196

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Nose
Salivary Glands
Trachea

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Ovary
Skin
Urinary Bladder

Bone Marrow
Heart
Intestine Small - Duodenum
Lymph Node - Mandibular
Pancreas
Spleen

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mesenteric
Parathyroid Gland
Stomach - Forestomach

OBSERVATIONS

Kidney
Liver

Nephropathy
Angiectasis
Basophilic Focus
Infiltration Cellular
Pigmentation

Mild
Mild
Mild
Histiocyte, Minimal
Minimal
Moderate

Mammary Gland

Duct

Ectasia
Fibroadenoma
Adenoma

Pituitary Gland

Pars Distalis

[Adenoma TGLS = 3-1]

Stomach
Thymus
Thyroid Gland
Uterus

Glandular
Epithel Cell
C Cell

Degeneration
Hyperplasia
Hyperplasia
Polyp Stromal

Cystic, Mild
Mild
Mild

Note: POLYP STROMAL TGLs = 1-13

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 197

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Pancreas
Spleen
Uterus

Bone Marrow
Heart
Intestine Small - Duodenum
Lymph Node - Mandibular
Parathyroid Gland
Stomach - Forestomach

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Nose
Salivary Glands
Trachea

Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Ovary
Skin
Urinary Bladder

MISSING

Adrenal Gland - Medulla

Lymph Node - Mesenteric

OBSERVATIONS

Eye
Note: CATARACT TGLs = 3-13
Kidney
Liver

Retina

Cataract
Degeneration
Nephropathy
Angiectasis
Basophilic Focus
Inflammation

Marked
Moderate
Minimal
Mild
Mild
Granulomatous, Multifocal, Mild

Note: ANGIECTASIS TGLs = 1-3
Lung

Infiltration Cellular
Pigmentation
Fibroadenoma

Histiocyte, Minimal
Minimal

Mammary Gland
Note: FIBROADENOMA TGLs = 2-12
Pituitary Gland
Stomach
Thymus
Thyroid Gland

Glandular
Epithel Cell
Bilateral, C Cell

Cyst
Degeneration
Hyperplasia
Adenoma

Cystic, Mild
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 198

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Pancreas
Thymus

Bone Marrow
Heart
Intestine Small - Duodenum
Lymph Node - Mandibular
Salivary Glands
Trachea

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Nose
Skin
Urinary Bladder

Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Ovary
Stomach - Forestomach
Uterus

MISSING

Lymph Node - Mesenteric

Parathyroid Gland

OBSERVATIONS

Adrenal Gland
Kidney
Liver

Cortex

Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 1-12

Lung

Note: LEUKEMIA MONUC TGLs = 3-6+7

Leukemia Mononuclear

Mammary Gland

Note: FIBROADENOMA TGLs = 2-13

Fibroadenoma

Pituitary Gland

Cyst

Spleen

Leukemia Mononuclear

Stomach

Glandular

Degeneration

Cystic, Mild

Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 199

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Ovary
Skin
Trachea

Bone Marrow
Heart
Intestine Small - Duodenum
Lymph Node - Mandibular
Pancreas
Spleen
Urinary Bladder

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mesenteric
Parathyroid Gland
Stomach - Forestomach
Uterus

Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Nose
Salivary Glands
Thyroid Gland

MISSING

Adrenal Gland - Medulla

Thymus

OBSERVATIONS

Kidney
Liver

Lung

Mammary Gland
Pituitary Gland
Stomach

Bile Duct

Glandular

Nephropathy
Basophilic Focus
Hyperplasia
Infiltration Cellular
Pigmentation
Adenocarcinoma
Cyst
Degeneration

Mild
Mild
Minimal
Histiocyte, Minimal
Minimal
Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 200	TRT#: 4	SEX: Female	DAY ON TEST: 582
	DOSE: CONTROL FEMALE	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mandibular	Thymus
-------------------------	--------

OBSERVATIONS

Heart	Endocardium	Schwannoma Malignant	
Liver	Bile Duct	Hyperplasia	Mild
Lung		Congestion	Moderate

Note: CONGESTION TGLs = 2-6+7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 201

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla

Bone Marrow

Brain

Esophagus

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Kidney

Lymph Node - Mandibular

Lymph Node - Mesenteric

Mammary Gland

Nose

Ovary

Pancreas

Parathyroid Gland

Pituitary Gland

Salivary Glands

Skin

Spleen

Stomach - Forestomach

Thyroid Gland

Trachea

Uterus

OBSERVATIONS

Adrenal Gland

Cortex

Vacuolization Cytoplasmic

Focal, Minimal

Clitoral Gland

Adenoma

Liver

Bile Duct

Hyperplasia

Mild

Lung

Infiltration Cellular

Histiocyte, Minimal

Mesentery

Fat

Pigmentation

Minimal

Necrosis

Focal, Marked

Note: NECROSIS

TGLs = 1-13

Stomach

Glandular

Degeneration

Cystic, Mild

Thymus

Epithel Cell

Hyperplasia

Mild

Urinary Bladder

Infiltration Cellular

Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 202

TRT#: 4

SEX: Female

DAY ON TEST: 343

DOSE: CONTROL FEMALE

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Mild
Liver	Centrilobular	Necrosis	Moderate
Lung		Congestion	Mild
Note: CONGESTION	TGLs = 1-6+7		
Nose		Fungus	Moderate
		Inflammation	Suppurative, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 203

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Stomach - Forestomach
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Multifocal, Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-12			
Lung		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 2-15			
Pituitary Gland		Cyst	
Skin	Subcut Tiss	Hemangiosarcoma	
Note: HEMANGIOSARC TGLs = 1-14			
Spleen		Hematopoietic Cell Proliferation	Moderate
		Leukemia Mononuclear	
Stomach	Glandular	Degeneration	Cystic, Mild
Thymus	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 204

TRT#: 4

SEX: Female

DAY ON TEST: 438

DOSE: CONTROL FEMALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Bone Marrow

Clitoral Gland

Esophagus

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Kidney

Liver

Lymph Node - Mandibular

Lymph Node - Mesenteric

Mammary Gland

Nose

Ovary

Pancreas

Salivary Glands

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

Urinary Bladder

Uterus

MISSING

Adrenal Gland - Medulla

Parathyroid Gland

OBSERVATIONS

Brain

Brain Stem

Compression

Moderate

Cerebrum

Oligodendroglioma Malignant

Note: [OLIGODENDR MAL] TGLs = 2-1+13

Lung

Infiltration Cellular

Histiocyte, Minimal

Pigmentation

Minimal

Pituitary Gland

Pars Distalis

Angiectasis

Marked

Note: [ANGIECTASIS] TGLs = 1-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 205

TRT#: 4

SEX: Female

DAY ON TEST: 619

DOSE: CONTROL FEMALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Clitoral Gland

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Pigmentation	Moderate
Liver		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-12		
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 2-13		
Pituitary Gland		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-3		
Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 206

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Carcinoma	
Clitoral Gland		Adenoma	
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multifocal, Minimal
Lung		Carcinoma	Metastatic (Adrenal Gland)
	Alveolar Epith	Hyperplasia	Multifocal, Mild
		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Mammary Gland	Duct	Ectasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
Stomach	Glandular	Degeneration	Cystic, Minimal
Thymus	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 207

TRT#: 4

SEX: Female

DAY ON TEST: 695

DOSE: CONTROL FEMALE

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Brain	Clitoral Gland
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	Mild
Lung		Congestion	Mild
		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Note: CONGESTION	TGLs = 1-6+7		
Lymph Node	Mesenteric	Hemorrhage	Mild
	Mediastinal	Pigmentation	Hemosiderin, Mild
Pituitary Gland		Cyst	
Skin		Cyst Epithelial Inclusion	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 208

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Bone		Osteopetrosis	Marked
Clitoral Gland		Adenoma	
Heart		Cardiomyopathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung	Alveolar Epith	Hyperplasia	Focal, Mild
		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland		Cyst	
Spleen		Leukemia Mononuclear	
Stomach	Glandular	Degeneration	Cystic, Minimal
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 209

TRT#: 4

SEX: Female

DAY ON TEST: 335

DOSE: CONTROL FEMALE

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Clitoral Gland
Intestine Large - Colon
Lymph Node - Mesenteric
Parathyroid Gland
Stomach - Forestomach
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Mammary Gland
Pituitary Gland
Stomach - Glandular
Uterus

Bone Marrow
Heart
Islets, Pancreatic
Nose
Salivary Glands
Thyroid Gland

Brain
Intestine Large - Cecum
Lymph Node - Mandibular
Ovary
Skin
Trachea

AUTO PRECLUDES DIAG.

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

INSUFFICIENT TISSUE

Pancreas

OBSERVATIONS

Kidney
Liver
Lung
Mesentery
Note: NECROSIS TGLs = 2-12
Spleen
Note: LEUKEMIA MONUC TGLs = 1-3
Thymus

Fat

Epithel Cell

Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear
Necrosis
Leukemia Mononuclear

Hemorrhage
Hyperplasia

Focal, Marked

Moderate
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 210

TRT#: 4

SEX: Female

DAY ON TEST: 403

DOSE: CONTROL FEMALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Brain		Carcinoma	Metastatic (Pituitary Gland)
	Brain Stem	Hemorrhage	Moderate
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multifocal, Minimal
Lung		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Lymph Node	Mandibular	Hemorrhage	Mild
Nose		Foreign Body	Mild
		Inflammation	Suppurative, Mild
Ovary		Cyst	
Pituitary Gland	Pars Distalis	Carcinoma	
[Carcinoma TGLS = 1-1]			
Uterus		Hydrometra	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 211

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Clitoral Gland
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Ovary	Pancreas	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Trachea	Urinary Bladder
Uterus			

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
Lung		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Nose		Foreign Body	Minimal
		Inflammation	Suppurative, Mild
Pituitary Gland	Pars Distalis	Adenoma	
		Cyst	
Stomach	Glandular	Degeneration	Cystic, Minimal
Thymus	Epithel Cell	Hyperplasia	Mild
Thyroid Gland	Bilateral, C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 212

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Clitoral Gland	Thymus
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OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Minimal
Lung		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 1-12		
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland		Cyst	
Stomach	Glandular	Degeneration	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 213

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mesenteric
Pancreas
Stomach - Forestomach
Urinary Bladder

Bone Marrow
Intestine Large - Colon
Intestine Small - Jejunum
Mammary Gland
Parathyroid Gland
Thymus
Uterus

Brain
Intestine Large - Rectum
Islets, Pancreatic
Nose
Salivary Glands
Thyroid Gland

Esophagus
Intestine Small - Duodenum
Lymph Node - Mandibular
Ovary
Skin
Trachea

OBSERVATIONS

Adrenal Gland
Clitoral Gland
 Note: ADENOMA TGLs = 1-13
Eye
 Note: CATARACT TGLs = 3-14
Heart
Kidney
Liver

 Note: ANGIECTASIS TGLs = 2-12
Lung

Pituitary Gland
Spleen
Stomach

Cortex

Bilateral

Myocardium

Bile Duct

Glandular

Hyperplasia
Adenoma

Cataract

Inflammation
Nephropathy
Angiectasis
Basophilic Focus
Hematopoietic Cell Proliferation
Hyperplasia

Infiltration Cellular
Pigmentation
Angiectasis
Hematopoietic Cell Proliferation
Degeneration

Focal, Mild

Marked

Subacute, Multifocal, Minimal
Minimal
Minimal
Mild
Minimal
Mild

Histiocyte, Minimal
Minimal
Minimal
Moderate
Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 214

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Clitoral Gland	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Islets, Pancreatic	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Skin	Stomach - Forestomach
Thyroid Gland	Trachea	Urinary Bladder	

AUTO PRECLUDES DIAG.

Intestine Small - Ileum	Intestine Small - Jejunum
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OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Heart		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 2-12		
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 3-1		
Salivary Glands		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 1-3		
Stomach	Glandular	Degeneration	Cystic, Minimal
Thymus		Leukemia Mononuclear	
Tooth	Pulp	Inflammation	Necrotizing, Marked
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 215	TRT#: 4	SEX: Female	DAY ON TEST: 161
	DOSE: CONTROL FEMALE	DISP: Accident	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Clitoral Gland	Mammary Gland	Thymus
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OBSERVATIONS

Heart [Inflammation TGLS = 1,3-12]	Epicardium	Inflammation	Chronic Active, Marked
Lung [Inflammation TGLS = 2-6+7]	Pleura	Inflammation	Chronic Active, Moderate
Lymph Node	Mediastinal	Hyperplasia	Plasma Cell, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 216

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: CONTROL FEMALE

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone Marrow

Brain

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Islets, Pancreatic

Kidney

Lymph Node - Mandibular

Lymph Node - Mesenteric

Nose

Ovary

Pancreas

Parathyroid Gland

Salivary Glands

Skin

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

Urinary Bladder

Uterus

MISSING

Clitoral Gland

AUTO PRECLUDES DIAG.

Intestine Small - Ileum

Intestine Small - Jejunum

OBSERVATIONS

Heart

Cardiomyopathy

Mild

Liver

Hematopoietic Cell Proliferation

Minimal

Centrilobular

Necrosis

Marked

Note: NECROSIS TGLs = 3-13

Lung

Interstitial

Inflammation

Mild

Lymph Node

Mediastinal

Hemorrhage

Mild

Mammary Gland

Fibroadenoma

Multiple

Note: FIBROADENOMA TGLs = 1,2-14+15

Pituitary Gland

Pars Distalis

Adenoma

Note: ADENOMA TGLs = 4-12

Spleen

Hematopoietic Cell Proliferation

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 217

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Pancreas
Spleen
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Parathyroid Gland
Stomach - Forestomach

Bone Marrow
Heart
Intestine Small - Duodenum
Kidney
Nose
Salivary Glands
Thyroid Gland

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Ovary
Skin
Trachea

OBSERVATIONS

Liver

Basophilic Focus
Cyst

Mild

Lung

Infiltration Cellular
Pigmentation

Histiocyte, Minimal
Minimal

Pituitary Gland

Pars Distalis

Adenoma

Stomach

Glandular

Degeneration

Cystic, Mild

Thymus

Epithel Cell

Hyperplasia

Mild

Uterus

Polyp Stromal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 218

TRT#: 4

SEX: Female

DAY ON TEST: 683

DOSE: CONTROL FEMALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Bone Marrow

Brain

Clitoral Gland

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Islets, Pancreatic

Mammary Gland

Nose

Ovary

Pancreas

Parathyroid Gland

Salivary Glands

Skin

Stomach - Forestomach

Trachea

Urinary Bladder

MISSING

Adrenal Gland - Medulla

Intestine Small - Jejunum

OBSERVATIONS

Eye

Sclera

Metaplasia

Osseous, Mild

Harderian Gland

Pigmentation

Porphyrin, Moderate

Note: PIGMENT TGLs = 6-15

Heart

Leukemia Mononuclear

Kidney

Pigmentation

Mild

Note: PIGMENT TGLs = 5-4

Liver

Bile Duct

Hyperplasia

Mild

Leukemia Mononuclear

Necrosis

Multifocal, Moderate

Note: LEUKEMIA MONUC TGLs = 4-13

Lung

Infiltration Cellular

Histiocyte, Minimal

Leukemia Mononuclear

Pigmentation

Minimal

Lymph Node

Mandibular

Leukemia Mononuclear

Mediastinal

Leukemia Mononuclear

Mesenteric

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 2-12

Pituitary Gland

Angiectasis

Mild

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 1-3

Stomach

Glandular

Degeneration

Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 218

TRT#: 4

SEX: Female

DAY ON TEST: 683

DOSE: CONTROL FEMALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Thymus		Leukemia Mononuclear	
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus		Leukemia Mononuclear	
		Polyp Stromal	

Note: POLYP STROMAL TGLs = 3-14

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 219

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Clitoral Gland	Ovary
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OBSERVATIONS

Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-13			
Lung		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mandibular	Hyperplasia	Plasma Cell, Moderate
Mammary Gland	Duct	Ectasia	Moderate
		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-15			
Mesentery	Fat	Necrosis	Focal, Marked
Note: NECROSIS TGLs = 2-14			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 4-12			
Spleen		Leukemia Mononuclear	
Stomach	Glandular	Degeneration	Cystic, Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 220

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Liver	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Clitoral Gland	Lymph Node - Mandibular	Thymus
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OBSERVATIONS

Brain	Brain Stem	Compression	Moderate
Kidney		Nephropathy	Mild
Lung	Alveolar Epith	Hyperplasia	Multifocal, Mild
		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Lymph Node	Mesenteric	Pigmentation	Moderate
Mammary Gland	Duct	Ectasia	Moderate
		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-13			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2-12			
Stomach	Glandular	Degeneration	Cystic, Mild
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 221

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Ovary
Skin
Urinary Bladder

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Lymph Node - Mandibular
Pancreas
Stomach - Forestomach

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mesenteric
Parathyroid Gland
Thyroid Gland

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Nose
Salivary Glands
Trachea

MISSING

Clitoral Gland

OBSERVATIONS

Bone
Kidney
Liver

Lung

Mammary Gland
Pituitary Gland
Spleen
Stomach
Thymus
Uterus

Alveolar Epith

Duct

Glandular
Epithel Cell

Osteopetrosis
Nephropathy
Hematopoietic Cell Proliferation
Inflammation
Hyperplasia
Infiltration Cellular
Pigmentation
Ectasia
Angiectasis
Hematopoietic Cell Proliferation
Degeneration
Hyperplasia
Polyp Stromal

Moderate
Minimal
Minimal
Granulomatous, Multifocal, Minimal
Focal, Moderate
Histiocyte, Minimal
Minimal
Moderate
Moderate
Moderate
Cystic, Mild
Mild

Note: POLYP STROMAL TGLs = 1-12

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 222

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Esophagus	Eye
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Adrenal Gland - Medulla	Clitoral Gland	Thymus
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OBSERVATIONS

Brain	Brain Stem	Compression	Mild
Heart		Cardiomyopathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
Lymph Node	Bronchial	Hemorrhage	Mild
	Bronchial	Hyperplasia	Reticulum Cell, Mild
Note: HYPERPLASIA TGLs = 2-14			
Note: HEMORRHAGE TGLs = 2-14			
Mammary Gland		Hemorrhage	Mild
Note: HEMORRHAGE TGLs = 6-15			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 4-12			
Stomach	Glandular	Degeneration	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 223

TRT#: 4

SEX: Female

DAY ON TEST: 711

DOSE: CONTROL FEMALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Ovary
Skin
Urinary Bladder

Bone Marrow
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Pancreas
Stomach - Forestomach
Uterus

Brain
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Parathyroid Gland
Thyroid Gland

Esophagus
Intestine Small - Duodenum
Kidney
Nose
Salivary Glands
Trachea

MISSING

Adrenal Gland - Cortex

OBSERVATIONS

Clitoral Gland
Note: CARCINOMA TGLs = 1-13
Heart
Liver
Lung
Pituitary Gland
Spleen
Stomach
Thymus

Pars Distalis
Glandular
Epithel Cell

Carcinoma
Cardiomyopathy
Basophilic Focus
Hematopoietic Cell Proliferation
Infiltration Cellular
Pigmentation
Cyst
Hyperplasia
Hematopoietic Cell Proliferation
Degeneration
Hyperplasia
Mild
Mild
Minimal
Histiocyte, Minimal
Minimal
Focal, Mild
Moderate
Cystic, Mild
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 224

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla

Bone Marrow

Brain

Esophagus

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Kidney

Lymph Node - Mandibular

Lymph Node - Mesenteric

Mammary Gland

Nose

Ovary

Pancreas

Parathyroid Gland

Salivary Glands

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Thyroid Gland

Trachea

Urinary Bladder

MISSING

Adrenal Gland - Cortex

OBSERVATIONS

Clitoral Gland

Inflammation

Chronic Active, Mild

Liver

Basophilic Focus

Mild

Bile Duct

Hyperplasia

Mild

Lung

Infiltration Cellular

Histiocyte, Minimal

Pigmentation

Minimal

Pituitary Gland

Pars Distalis

Adenoma

Note: ADENOMA TGLs = 2-12

Thymus

Epithel Cell

Hyperplasia

Mild

Uterus

Polyp Stromal

Note: POLYP STROMAL TGLs = 1-13

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 225

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Parathyroid Gland	Salivary Glands	Spleen
Stomach - Forestomach	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Mild
Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multifocal, Minimal
Note: ANOM HEPAT LOB TGLs = 2-3			
Lung		Alveolar/Bronchiolar Adenoma	
		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Pancreas	Acinus	Atrophy	Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Skin	Subcut Tiss	Schwannoma Malignant	
Note: [SCHWANNOMA MAL] TGLs = 1-2+12			
Stomach	Glandular	Degeneration	Cystic, Minimal
Thymus	Epithel Cell	Hyperplasia	Mild
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 226

TRT#: 4

SEX: Female

DAY ON TEST: 597

DOSE: CONTROL FEMALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Parathyroid Gland
Stomach - Forestomach
Uterus

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Kidney
Nose
Pituitary Gland
Thyroid Gland

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Ovary
Salivary Glands
Trachea

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Pancreas
Skin
Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Clitoral Gland		Inflammation	Chronic Active, Marked
Lung		Adenocarcinoma	Metastatic (Mammary Gland)
[Adenocarcinoma TGLS = 5-6+7+12]			
Mammary Gland		Adenocarcinoma	
[Adenocarcinoma TGLS = 1-14]			
Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 2-3]			
Stomach	Glandular	Degeneration	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: LESIONS COMPATIBLE WITH SEVERE ANEMIA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 227

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla

Bone Marrow

Brain

Esophagus

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Lung

Lymph Node - Mandibular

Lymph Node - Mesenteric

Mammary Gland

Nose

Ovary

Pancreas

Parathyroid Gland

Salivary Glands

Skin

Spleen

Stomach - Forestomach

Thyroid Gland

Trachea

Urinary Bladder

Uterus

MISSING

Clitoral Gland

Thymus

OBSERVATIONS

Adrenal Gland

Cortex

Vacuolization Cytoplasmic

Focal, Mild

Kidney

Calculus Micro Observation Only

Minimal

Liver

Nephropathy

Minimal

Basophilic Focus

Mild

Bile Duct

Hyperplasia

Mild

Inflammation

Granulomatous, Multifocal, Minimal

Pituitary Gland

Angiectasis

Mild

Stomach

Pars Distalis

Hyperplasia

Focal, Mild

Glandular

Degeneration

Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 228

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla

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

Liver

Lymph Node - Mesenteric

Nose

Ovary

Pancreas

Parathyroid Gland

Salivary Glands

Skin

Spleen

Stomach - Forestomach

Thyroid Gland

Trachea

Urinary Bladder

Uterus

MISSING

Lymph Node - Mandibular

Thymus

OBSERVATIONS

Adrenal Gland

Cortex

Hyperplasia

Focal, Mild

Cortex

Vacuolization Cytoplasmic

Multifocal, Mild

Clitoral Gland

Adenoma

Note: ADENOMA TGLs = 1-13

Lung

Infiltration Cellular

Histiocyte, Minimal

Pigmentation

Minimal

Mammary Gland

Fibroadenoma

Pituitary Gland

Pars Distalis

Adenoma

Note: ADENOMA TGLs = 2-12

Stomach

Glandular

Degeneration

Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 229

TRT#: 4

SEX: Female

DAY ON TEST: 702

DOSE: CONTROL FEMALE

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Pituitary Gland
Stomach - Forestomach
Trachea

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Kidney
Nose
Salivary Glands
Stomach - Glandular
Urinary Bladder

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Ovary
Skin
Thymus
Uterus

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Parathyroid Gland
Spleen
Thyroid Gland

MISSING

Clitoral Gland

OBSERVATIONS

Liver
Lung

Bile Duct

Hyperplasia
Congestion
Edema

Mild
Moderate
Mild

Note: CONGESTION TGLs = 2-6+7

Pancreas
Zymbal's Gland

Acinus

Atrophy
Carcinoma

Mild

Note: CARCINOMA TGLs = 1-12

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 230

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Brain	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Adrenal Gland - Medulla

OBSERVATIONS

Clitoral Gland		Adenoma	
Note: ADENOMA	TGLs = 2-14		
Eye		Cataract	Moderate
		Degeneration	Moderate
Note: CATARACT	TGLs = 1-13		
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Mammary Gland	Duct	Ectasia	Moderate
		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 3-15		
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-12		
Stomach	Glandular	Degeneration	Cystic, Mild
Thymus	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 230

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 241

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 44MG/KG LOW FEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Parathyroid Gland
Stomach - Forestomach
Uterus

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Kidney
Nose
Salivary Glands
Thymus

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Ovary
Skin
Trachea

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Pancreas
Spleen
Urinary Bladder

OBSERVATIONS

Clitoral Gland
Note: CARCINOMA TGLs = 1-12

Liver

Lung

Pituitary Gland
Stomach
Thyroid Gland

Pars Distalis
Glandular
C Cell

Carcinoma

Basophilic Focus
Inflammation
Infiltration Cellular
Pigmentation
Adenoma
Degeneration
Hyperplasia

Mild
Granulomatous, Multifocal, Minimal
Histiocyte, Minimal
Minimal
Cystic, Minimal
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 242

TRT#: 5

SEX: Female

DAY ON TEST: 686

DOSE: 44MG/KG LOW FEM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Multifocal, Mild
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Clitoral Gland		Adenoma	
Note: ADENOMA TGLs = 2-16			
Liver		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: FATTY CHANGE TGLs = 6-12			
Note: LEUKEMIA MONUC TGLs = 6-12			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mammary Gland	Duct	Ectasia	Moderate
		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-17			
Note: ECTASIA TGLs = 1-5			
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 7-15			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-3			
Thymus	Epithel Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 242

TRT#: 5

SEX: Female

DAY ON TEST: 686

DOSE: 44MG/KG LOW FEM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Uterus
Note: CYST TGLs = 3-14

Endometrium

Cyst

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 243

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 44MG/KG LOW FEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Nose
Pituitary Gland
Thyroid Gland

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Kidney
Ovary
Salivary Glands
Trachea

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Pancreas
Skin
Urinary Bladder

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Parathyroid Gland
Stomach - Forestomach

OBSERVATIONS

Clitoral Gland
Note: CARCINOMA TGLs = 1-15
Liver
Note: LEUKEMIA MONUC TGLs = 4-12
Lung
Mammary Gland
Note: ADENOMA TGLs = 1-14
Spleen
Stomach
Thymus
Uterus
Note: POLYP STROMAL TGLs = 2-13

Bile Duct
Glandular
Epithel Cell

Carcinoma
Hyperplasia
Leukemia Mononuclear
Infiltration Cellular
Pigmentation
Adenoma
Leukemia Mononuclear
Degeneration
Hyperplasia
Polyp Stromal

Mild
Histiocyte, Minimal
Minimal
Cystic, Minimal
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 244

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 44MG/KG LOW FEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Nose
Salivary Glands
Trachea

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Ovary
Skin
Urinary Bladder

Bone Marrow
Heart
Intestine Small - Duodenum
Lymph Node - Mandibular
Pancreas
Stomach - Forestomach
Uterus

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mesenteric
Parathyroid Gland
Thyroid Gland

MISSING

Mammary Gland

Thymus

OBSERVATIONS

Kidney
Liver

Bile Duct

Nephropathy
Hyperplasia
Leukemia Mononuclear
Leukemia Mononuclear
Cyst
Leukemia Mononuclear
Degeneration

Mild
Mild

Lung
Pituitary Gland
Spleen
Stomach

Glandular

Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 245

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 44MG/KG LOW FEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mesenteric
Pancreas
Spleen
Uterus

Bone Marrow
Intestine Large - Colon
Intestine Small - Jejunum
Mammary Gland
Parathyroid Gland
Stomach - Forestomach

Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Nose
Salivary Glands
Thyroid Gland

Heart
Intestine Small - Duodenum
Kidney
Ovary
Skin
Trachea

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Adrenal Gland
Brain
Clitoral Gland
Liver

Cortex
Cerebellum, Meninges
Duct

Vacuolization Cytoplasmic
Granular Cell Tumor Benign
Ectasia
Basophilic Focus
Inflammation
Hyperplasia
Infiltration Cellular
Pigmentation
Cyst

Focal, Mild
Moderate
Mild
Granulomatous, Multifocal, Minimal
Focal, Mild
Histiocyte, Minimal
Minimal

Lung

Alveolar Epith

Degeneration
Hyperplasia
Hyperplasia

Cystic, Mild
Mild
Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 246

TRT#: 5

SEX: Female

DAY ON TEST: 671

DOSE: 44MG/KG LOW FEM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Nose	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea			

MISSING

Clitoral Gland	Urinary Bladder
----------------	-----------------

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Brain	Pons	Hemorrhage	Mild
		Leukemia Mononuclear	
Heart		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mammary Gland	Duct	Ectasia	Mild
Note: ECTASIA	TGLs = 2-13		
Ovary		Leukemia Mononuclear	
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-1		
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-12		
Thymus		Leukemia Mononuclear	
Uterus		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:18

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 246

TRT#: 5

SEX: Female

DAY ON TEST: 671

DOSE: 44MG/KG LOW FEM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:18
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 247

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 44MG/KG LOW FEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Ovary
Skin
Urinary Bladder

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Lymph Node - Mandibular
Pancreas
Spleen
Uterus

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mesenteric
Parathyroid Gland
Stomach - Forestomach

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Nose
Salivary Glands
Trachea

MISSING

Clitoral Gland

OBSERVATIONS

Kidney
Liver
Lung

Nephropathy
Basophilic Focus
Infiltration Cellular
Pigmentation
Ectasia
Galactocele

Mild
Mild
Histiocyte, Minimal
Minimal
Moderate

Mammary Gland

Duct

Note: GALACTOCELE TGLs = 1-12

Pituitary Gland
Stomach
Thymus
Thyroid Gland

Pars Distalis
Glandular
Epithel Cell
C Cell

Adenoma
Degeneration
Hyperplasia
Adenoma

Cystic, Mild
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 248

TRT#: 5

SEX: Female

DAY ON TEST: 154

DOSE: 44MG/KG LOW FEM

DISP: Gavage Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Pancreas
Skin
Thyroid Gland

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Parathyroid Gland
Spleen
Trachea

Bone Marrow
Heart
Intestine Small - Duodenum
Kidney
Nose
Pituitary Gland
Stomach - Forestomach
Urinary Bladder

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Ovary
Salivary Glands
Stomach - Glandular
Uterus

OBSERVATIONS

Liver
Lung
Thymus

Epithel Cell

Hepatodiaphragmatic Nodule
Hemorrhage
Hemorrhage
Hyperplasia

Marked
Moderate
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 249

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 44MG/KG LOW FEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Nose
Skin
Urinary Bladder

Bone Marrow
Heart
Intestine Small - Duodenum
Lymph Node - Mandibular
Ovary
Stomach - Forestomach

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mesenteric
Pancreas
Thyroid Gland

Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Mammary Gland
Salivary Glands
Trachea

MISSING

Parathyroid Gland

Thymus

OBSERVATIONS

Adrenal Gland
Kidney
Liver
Note: LEUKEMIA MONUC TGLs = 2-12
Lung

Medulla

Hyperplasia
Nephropathy
Leukemia Mononuclear

Multifocal, Minimal
Mild

Pituitary Gland
Spleen
Note: LEUKEMIA MONUC TGLs = 1-3

Infiltration Cellular
Pigmentation
Angiectasis
Leukemia Mononuclear

Histiocyte, Minimal
Minimal
Moderate

Stomach
Uterus
Glandular

Degeneration
Polyp Stromal

Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 250

TRT#: 5

SEX: Female

DAY ON TEST: 85

DOSE: 44MG/KG LOW FEM

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Heart
Mammary Gland
Pituitary Gland
Stomach - Forestomach
Urinary Bladder

Bone Marrow
Intestine Large - Colon
Nose
Salivary Glands
Stomach - Glandular
Uterus

Brain
Intestine Large - Rectum
Ovary
Skin
Thyroid Gland

Esophagus
Islets, Pancreatic
Parathyroid Gland
Spleen
Trachea

MISSING

Adrenal Gland - Medulla

Clitoral Gland

AUTO PRECLUDES DIAG.

Intestine Large - Cecum
Pancreas

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

OBSERVATIONS

Kidney
Liver
Lung
Note: LYMPH MAL TGLs = 3,4,5,6-6+7
Lymph Node
Note: LYMPH MAL TGLs = 1,2-4
Thymus

Mandibular
Mesenteric
Renal

Lymphoma Malignant
Congestion
Lymphoma Malignant
Lymphoma Malignant
Lymphoma Malignant
Lymphoma Malignant
Lymphoma Malignant

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 251

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 44MG/KG LOW FEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Clitoral Gland	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
	Medulla	Pheochromocytoma Benign	
Brain	Brain Stem	Compression	Mild
Liver		Hepatodiaphragmatic Nodule	Multiple
	Bile Duct	Hyperplasia	Mild
Note: ANOM HEPAT LOB TGLs = 2,3-12+13			
Lung		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
Stomach	Glandular	Degeneration	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 252	TRT#: 5	SEX: Female	DAY ON TEST: 731
	DOSE: 44MG/KG LOW FEM	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Brain	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Adrenal Gland - Medulla	Clitoral Gland
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OBSERVATIONS

Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	Mild
		Inflammation	Granulomatous, Multifocal, Minimal
Lymph Node	Mediastinal	Hemorrhage	Mild
Mammary Gland		Fibroadenoma	Multiple
Note: FIBROADENOMA	TGLs = 1,2-12+13		
Pituitary Gland		Angiectasis	Mild
Stomach	Glandular	Degeneration	Cystic, Mild
Thymus	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 253

TRT#: 5

SEX: Female

DAY ON TEST: 620

DOSE: 44MG/KG LOW FEM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Pituitary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Cortex	Necrosis	Marked
Clitoral Gland	Duct	Ectasia	Moderate
Heart		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
Liver		Fatty Change	Diffuse, Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-12		
Note: FATTY CHANGE	TGLs = 3-12		
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 1-13		
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 2-3		
Stomach	Glandular	Degeneration	Cystic, Minimal
Thymus	Epithel Cell	Hyperplasia	Mild
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 254

TRT#: 5

SEX: Female

DAY ON TEST: 588

DOSE: 44MG/KG LOW FEM

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Nose	Ovary
Parathyroid Gland	Salivary Glands	Stomach - Forestomach	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Clitoral Gland	Lymph Node - Mesenteric	Skin	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Heart		Cardiomyopathy	Mild
Kidney		Pigmentation	Moderate
Liver		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-3+13		
Note: FATTY CHANGE	TGLs = 3-3+13		
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland		Cyst	
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 1-12		
Stomach	Glandular	Degeneration	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 255

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 44MG/KG LOW FEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Ovary	Salivary Glands	Skin
Stomach - Forestomach	Thyroid Gland	Trachea	Uterus

MISSING

Clitoral Gland	Parathyroid Gland	Thymus
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OBSERVATIONS

Eye		Cataract	Mild
	Retina	Degeneration	Moderate
Note: CATARACT	TGLs = 4-12		
Kidney	Epithelium, Renal Tubule	Hyperplasia	Focal, Minimal
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Multifocal, Mild
		Regeneration	Mild
Note: LEUKEMIA MONUC	TGLs = 2-3+14		
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mammary Gland	Duct	Ectasia	Mild
Nose		Inflammation	Suppurative, Moderate
		Ulcer	Moderate
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 1-13		
Stomach	Glandular	Degeneration	Cystic, Minimal
Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 255

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 44MG/KG LOW FEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 256

TRT#: 5

SEX: Female

DAY ON TEST: 652

DOSE: 44MG/KG LOW FEM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Pituitary Gland
Stomach - Forestomach

Bone Marrow
Heart
Intestine Small - Duodenum
Kidney
Nose
Salivary Glands
Thyroid Gland

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Ovary
Skin
Trachea

Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Parathyroid Gland
Spleen
Uterus

MISSING

Adrenal Gland - Medulla

OBSERVATIONS

Bone
Note: OSTEOSARC TGLs = 2-13
Liver
Lung
Pancreas
Stomach
Thymus
Urinary Bladder
Note: HYPERPLASIA TGLs = 1-12

Bile Duct
Acinus
Glandular
Epithel Cell
Transit Epithe

Osteosarcoma
Hyperplasia
Osteosarcoma
Atrophy
Degeneration
Hyperplasia
Hyperplasia

Mild
Metastatic (Bone)
Minimal
Cystic, Minimal
Mild
Papillary, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 257

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 44MG/KG LOW FEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Clitoral Gland	Parathyroid Gland
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OBSERVATIONS

Kidney	Epithelium, Renal Tubule	Hyperplasia Nephropathy	Focal, Minimal Minimal
Liver	Bile Duct	Basophilic Focus Hyperplasia Inflammation	Mild Mild Granulomatous, Multifocal, Minimal
Lung	Alveolar Epith	Hyperplasia Infiltration Cellular Pigmentation	Focal, Mild Histiocyte, Minimal Minimal
Lymph Node	Mediastinal	Hemorrhage	Mild
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-12			
Mesentery	Fat	Necrosis	Focal, Marked
Note: NECROSIS TGLs = 2-13			
Pituitary Gland		Cyst	
Stomach	Glandular	Degeneration	Cystic, Minimal
Thymus	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 258

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 44MG/KG LOW FEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Clitoral Gland	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Kidney	Renal Tubule	Adenoma	
		Nephropathy	Mild
Lung	Alveolar Epith	Hyperplasia	Focal, Mild
		Inflammation	Granulomatous, Multifocal, Mild
Mammary Gland		Fibroadenoma	Multiple
Note: FIBROADENOMA	TGLs = 1,2-12+13		
Pituitary Gland	Pars Distalis	Adenoma	
Stomach	Glandular	Degeneration	Cystic, Minimal
Thymus	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 259

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 44MG/KG LOW FEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Adrenal Gland - Medulla

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	Mild
Lung	Alveolar Epith	Hyperplasia	Focal, Mild
		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Mammary Gland		Adenocarcinoma	
		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-12			
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
Stomach	Glandular	Degeneration	Cystic, Mild
Thymus	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 260

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 44MG/KG LOW FEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Heart		Cardiomyopathy	Mild
Kidney	Renal Tubule	Adenoma	
		Nephropathy	Mild
Liver		Fatty Change	Diffuse, Moderate
Note: FATTY CHANGE	TGLs = 2-12		
Lung		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Mammary Gland		Adenocarcinoma	
		Galactocele	
Note: [ADENOCARC]	TGLs = 1-13		
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
Stomach	Glandular	Degeneration	Cystic, Mild
	Forestomach	Hyperplasia	Focal, Mild
	Forestomach	Inflammation	Chronic, Mild
Thymus	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 261

TRT#: 5

SEX: Female

DAY ON TEST: 697

DOSE: 44MG/KG LOW FEM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Clitoral Gland	Duct	Ectasia	Marked
Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-3			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Pituitary Gland		Angiectasis	Mild
		Hemorrhage	Moderate
Note: ANGIECTASIS TGLs = 4-12			
Note: HEMORRHAGE TGLs = 4-12			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-13			
Stomach	Glandular	Degeneration	Cystic, Minimal
	Glandular	Erosion	Multifocal, Moderate
Thymus	Epithel Cell	Hyperplasia	Mild
		Leukemia Mononuclear	
Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 262

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 44MG/KG LOW FEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Trachea
Urinary Bladder			

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Clitoral Gland		Adenoma	
Heart		Cardiomyopathy	Mild
Liver	Bile Duct	Basophilic Focus	Mild
		Hyperplasia	Mild
		Inflammation	Granulomatous, Multifocal, Minimal
Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Pituitary Gland		Angiectasis	Moderate
Note: ANGIECTASIS	TGLs = 1-12		
Stomach	Glandular	Degeneration	Cystic, Minimal
Thymus	Epithel Cell	Hyperplasia	Mild
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 263

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 44MG/KG LOW FEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mesenteric
Salivary Glands
Urinary Bladder

Bone Marrow
Intestine Large - Colon
Intestine Small - Jejunum
Nose
Skin
Uterus

Brain
Intestine Large - Rectum
Islets, Pancreatic
Ovary
Stomach - Forestomach

Esophagus
Intestine Small - Duodenum
Lymph Node - Mandibular
Pancreas
Trachea

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland

Medulla
Medulla

Hyperplasia
Pheochromocytoma Benign
Carcinoma

Focal, Mild

Clitoral Gland

Note: CARCINOMA TGLs = 1-12

Heart
Kidney
Liver

Cardiomyopathy
Nephropathy
Basophilic Focus
Hyperplasia

Mild
Mild
Mild
Mild

Bile Duct

Leukemia Mononuclear
Infiltration Cellular
Pigmentation

Histiocyte, Minimal
Minimal

Mammary Gland

Pituitary Gland

Spleen

Stomach

Thymus

Thyroid Gland

Glandular
Epithel Cell
Follicular Cel

Fibroadenoma
Angiectasis
Leukemia Mononuclear
Degeneration
Hyperplasia
Carcinoma

Mild
Cystic, Mild
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 264

TRT#: 5

SEX: Female

DAY ON TEST: 310

DOSE: 44MG/KG LOW FEM

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Heart
Intestine Small - Duodenum
Kidney
Mammary Gland
Parathyroid Gland
Stomach - Forestomach
Urinary Bladder

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Nose
Pituitary Gland
Stomach - Glandular

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Ovary
Salivary Glands
Thyroid Gland

Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Pancreas
Skin
Trachea

MISSING

Adrenal Gland - Medulla

Thymus

OBSERVATIONS

Clitoral Gland
Note: CARCINOMA TGLs = 1-12
Liver
Lymph Node
Spleen
Uterus

Carcinoma
Hematopoietic Cell Proliferation
Necrosis
Hemorrhage
Hematopoietic Cell Proliferation
Decidual Reaction
Minimal
Minimal
Mild
Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 265

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 44MG/KG LOW FEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Ovary
Spleen
Urinary Bladder

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Lymph Node - Mandibular
Pancreas
Stomach - Forestomach
Uterus

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mesenteric
Salivary Glands
Thyroid Gland

Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Nose
Skin
Trachea

MISSING

Parathyroid Gland

OBSERVATIONS

Brain
Kidney
Liver

Astrocytoma Benign
Nephropathy
Basophilic Focus
Fatty Change
Inflammation
Inflammation
Fibroadenoma

Mild
Mild
Focal, Minimal
Granulomatous, Multifocal, Minimal
Granulomatous, Multifocal, Mild

Lung

Mammary Gland

Note: FIBROADENOMA TGLs = 1-14

Pituitary Gland

Pars Distalis

Adenoma
Angiectasis

Moderate

Note: ADENOMA TGLs = 3-12

Note: ANGIECTASIS TGLs = 3-12

Stomach

Thymus

Glandular
Epithel Cell

Degeneration
Hyperplasia

Cystic, Minimal
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 266

TRT#: 5

SEX: Female

DAY ON TEST: 154

DOSE: 44MG/KG LOW FEM

DISP: Gavage Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Salivary Glands
Stomach - Glandular
Uterus

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Ovary
Skin
Thyroid Gland

Bone Marrow
Heart
Intestine Small - Duodenum
Kidney
Pancreas
Spleen
Trachea

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Parathyroid Gland
Stomach - Forestomach
Urinary Bladder

MISSING

Lymph Node - Mesenteric

Mammary Gland

OBSERVATIONS

Lung
Note: HEMORRHAGE TGLs = 2-6+7
Nose
Note: HEMORRHAGE TGLs = 1-11
Pituitary Gland
Thymus

Hemorrhage Marked
Hemorrhage Mild
Cyst
Hemorrhage Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 267

TRT#: 5

SEX: Female

DAY ON TEST: 704

DOSE: 44MG/KG LOW FEM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Clitoral Gland	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mesenteric	Nose	Ovary	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Adrenal Gland - Medulla

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Focal, Minimal
Kidney		Nephropathy	Minimal
Liver		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-3		
Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Granulomatous, Multifocal, Mild
		Pigmentation	Minimal
Lymph Node	Mandibular	Hemorrhage	Mild
	Mediastinal	Hemorrhage	Mild
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 1-13		
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland		Cyst	
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 2-12		
Stomach	Glandular	Degeneration	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 268

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 44MG/KG LOW FEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Ovary
Stomach - Forestomach

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Pancreas
Trachea

Bone Marrow
Heart
Intestine Small - Duodenum
Lymph Node - Mandibular
Pituitary Gland
Urinary Bladder

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Nose
Salivary Glands
Uterus

MISSING

Lymph Node - Mesenteric

Mammary Gland

Parathyroid Gland

OBSERVATIONS

Kidney
Liver

Bile Duct

Nephropathy
Hepatodiaphragmatic Nodule
Hyperplasia
Leukemia Mononuclear

Minimal
Multiple
Mild

Histiocyte, Minimal
Minimal
Multifocal, Moderate

Note: ANOM HEPAT LOB TGLs = 2,3-3+12

Lung

Infiltration Cellular
Pigmentation
Ulcer

Skin

Note: ULCER TGLs = 1-5+13

Spleen

Leukemia Mononuclear

Stomach

Glandular

Degeneration

Cystic, Minimal

Thymus

Epithel Cell

Hyperplasia

Mild

Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 269

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 44MG/KG LOW FEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Clitoral Gland

OBSERVATIONS

Liver		Basophilic Focus	Mild
		Inflammation	Granulomatous, Multifocal, Minimal
Lung		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 1-8+13		
Mesentery	Fat	Necrosis	Focal, Marked
Note: NECROSIS	TGLs = 3-14		
Stomach	Glandular	Degeneration	Cystic, Minimal
Thymus	Epithel Cell	Hyperplasia	Mild
Uterus		Polyp Stromal	
Note: POLYP STROMAL	TGLs = 2-12		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 270	TRT#: 5	SEX: Female	DAY ON TEST: 731
	DOSE: 44MG/KG LOW FEM	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	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	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	

MISSING

Adrenal Gland - Medulla	Lymph Node - Mandibular	Lymph Node - Mesenteric
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OBSERVATIONS

Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
Lung		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Pituitary Gland		Cyst	
Urinary Bladder	Transit Epithe	Hyperplasia	Focal, Mild
Uterus		Polyp Stromal	

Note: POLYP STROMAL TGLs = 1,2-12

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 271

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 44MG/KG LOW FEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Clitoral Gland	Duct	Ectasia	Moderate
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multifocal, Minimal
Lung	Alveolar Epith	Hyperplasia	Focal, Mild
		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Mild
Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 272

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 44MG/KG LOW FEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Nose	Ovary
Pancreas	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Adrenal Gland - Medulla	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Focal, Minimal
Clitoral Gland		Hyperplasia	Moderate
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	Mild
		Hepatodiaphragmatic Nodule	
Note: ANOM HEPAT LOB TGLs = 2-12			
Lung		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Lymph Node	Mesenteric	Hemorrhage	Mild
	Mandibular	Hyperplasia	Plasma Cell, Moderate
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-13			
Spleen		Hematopoietic Cell Proliferation	Moderate
Stomach	Glandular	Degeneration	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 273

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 44MG/KG LOW FEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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
Spleen	Stomach - Forestomach	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Clitoral Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Liver		Basophilic Focus	Mild
		Inflammation	Necrotizing, Focal, Minimal
Lung	Alveolar Epith	Hyperplasia	Multifocal, Mild
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 1-12		
Pituitary Gland		Cyst	
Stomach	Glandular	Degeneration	Cystic, Mild
Thymus	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 274

TRT#: 5

SEX: Female

DAY ON TEST: 154

DOSE: 44MG/KG LOW FEM

DISP: Gavage Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Pancreas
Stomach - Forestomach
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Salivary Glands
Stomach - Glandular
Uterus

Bone Marrow
Heart
Intestine Small - Duodenum
Kidney
Mammary Gland
Skin
Thyroid Gland

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Ovary
Spleen
Trachea

MISSING

Parathyroid Gland

OBSERVATIONS

Lymph Node	Mandibular	Hemorrhage	Moderate
Nose		Hemorrhage	Mild
Pituitary Gland		Cyst	
Thymus		Hemorrhage	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 275

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 44MG/KG LOW FEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Mammary Gland
Parathyroid Gland
Spleen
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Nose
Pituitary Gland
Stomach - Forestomach
Uterus

Bone Marrow
Heart
Intestine Small - Duodenum
Lymph Node - Mandibular
Ovary
Salivary Glands
Thyroid Gland

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mesenteric
Pancreas
Skin
Trachea

OBSERVATIONS

Kidney
Liver
Lung
Mesentery
Note: NECROSIS TGLs = 1-12
Stomach
Thymus

Bile Duct

Fat

Glandular
Epithel Cell

Nephropathy
Hyperplasia
Alveolar/Bronchiolar Adenoma
Necrosis

Degeneration
Hyperplasia

Mild
Mild

Focal, Marked

Cystic, Mild
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 276

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 44MG/KG LOW FEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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 - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland			
Note: ONE ADRENAL IN SLIDE #8.			
Brain	Cerebellum, Meninges	Granular Cell Tumor Benign	
Clitoral Gland		Adenoma	
Heart		Cardiomyopathy	Mild
Liver		Basophilic Focus	Mild
		Fatty Change	Multifocal, Minimal
		Inflammation	Granulomatous, Multifocal, Minimal
Note: FATTY CHANGE TGLs = 3-3+14			
Lung	Interstitialium	Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Minimal
		Pigmentation	Minimal
Mammary Gland		Fibroadenoma	Multiple
Note: FIBROADENOMA TGLs = 1,2-12+13			
Stomach	Glandular	Degeneration	Cystic, Mild
Thymus	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 277

TRT#: 5

SEX: Female

DAY ON TEST: 617

DOSE: 44MG/KG LOW FEM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Clitoral Gland
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lymph Node - Mandibular	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea			

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Brain	Brain Stem	Compression	Moderate
Liver		Fatty Change	Multifocal, Minimal
		Pigmentation	Hemosiderin, Mild
Lung		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Mammary Gland		Adenocarcinoma	
Note: [ADENOCARC] TGLs = 1-13			
Nose		Inflammation	Suppurative, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2-12			
Thymus	Epithel Cell	Hyperplasia	Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 278

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 44MG/KG LOW FEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Heart	Coron Artery	Inflammation	Chronic, Mild
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	Mild
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
Note: ANOM HEPAT LOB TGLs = 2-12			
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-13			
Pituitary Gland		Angiectasis	Mild
		Cyst	
Stomach	Glandular	Degeneration	Cystic, Mild
Thymus	Epithel Cell	Hyperplasia	Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 279

TRT#: 5

SEX: Female

DAY ON TEST: 598

DOSE: 44MG/KG LOW FEM

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Clitoral Gland
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lymph Node - Mandibular	Nose
Ovary	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Mammary Gland

OBSERVATIONS

Brain	Brain Stem	Compression	Mild
Liver		Basophilic Focus	Mild
Lung		Congestion	Marked
	Peribronchiolr	Foreign Body	Mild
Note: CONGESTION	TGLs = 1-6+7		
Lymph Node	Mesenteric	Hemorrhage	Moderate
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 280

TRT#: 5

SEX: Female

DAY ON TEST: 716

DOSE: 44MG/KG LOW FEM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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	Parathyroid Gland	Trachea	

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Heart		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-13		
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-12		
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 1-14		
Pancreas		Leukemia Mononuclear	
Pituitary Gland		Cyst	
Salivary Glands		Leukemia Mononuclear	
Skin	Subcut Tiss	Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 2-3		
Stomach	Glandular	Degeneration	Cystic, Mild
	Forestomach	Leukemia Mononuclear	
	Glandular	Leukemia Mononuclear	
Thymus		Leukemia Mononuclear	
Thyroid Gland	C Cell	Hyperplasia	Minimal
		Ultimobranchial Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 280

TRT#: 5

SEX: Female

DAY ON TEST: 716

DOSE: 44MG/KG LOW FEM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Urinary Bladder
Uterus

Leukemia Mononuclear
Leukemia Mononuclear
Polyp Stromal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 281

TRT#: 5

SEX: Female

DAY ON TEST: 724

DOSE: 44MG/KG LOW FEM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	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 - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Adrenal Gland - Medulla	Clitoral Gland
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OBSERVATIONS

Brain		Carcinoma	Metastatic (Uncertain Primary Site)
	Brain Stem	Compression	Mild
Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multifocal, Minimal
Lung		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 1-12		
Pituitary Gland		Carcinoma	
Note: [CARCINOMA]	TGLs = 2-1		
Stomach	Glandular	Degeneration	Cystic, Minimal
Thymus	Epithel Cell	Hyperplasia	Mild
Uterus	Endometrium	Adenoma	
		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 282

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 44MG/KG LOW FEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Trachea	Urinary Bladder	

MISSING

Clitoral Gland	Parathyroid Gland
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OBSERVATIONS

Brain	Brain Stem	Compression	Mild
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Mild
Lung		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Mammary Gland		Fibroadenoma	Multiple
Note: FIBROADENOMA TGLs = 1,2-14+15			
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-12]			
Stomach	Glandular	Degeneration	Cystic, Mild
Thymus	Epithel Cell	Hyperplasia	Mild
Thyroid Gland	C Cell	Adenoma	
Uterus		Polyp Stromal	
Note: POLYP STROMAL TGLs = 3-13			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 283

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 44MG/KG LOW FEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Parathyroid Gland
Stomach - Forestomach
Urinary Bladder

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Lymph Node - Mesenteric
Salivary Glands
Thymus

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Nose
Skin
Thyroid Gland

Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Ovary
Spleen
Trachea

OBSERVATIONS

Brain
Kidney
Liver

Lung
Lymph Node

Mammary Gland
Note: GALACTOCELE TGLs = 1-12
Pancreas
Pituitary Gland
[Adenoma TGLS = 2-1]
Stomach
Uterus
Note: CYST TGLs = 3-5

Brain Stem

Alveolar Epith
Mandibular
Mediastinal

Acinus
Pars Distalis

Glandular
Endometrium

Compression
Nephropathy
Angiectasis
Inflammation
Hyperplasia
Hemorrhage
Hemorrhage
Galactocele

Atrophy
Adenoma

Degeneration
Cyst

Moderate
Minimal
Mild
Granulomatous, Multifocal, Minimal
Focal, Mild
Mild
Moderate

Minimal

Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 284

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 44MG/KG LOW FEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Nose
Salivary Glands
Trachea

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Ovary
Skin
Urinary Bladder

Bone Marrow
Heart
Intestine Small - Duodenum
Lymph Node - Mandibular
Pancreas
Stomach - Forestomach

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mesenteric
Parathyroid Gland
Thyroid Gland

OBSERVATIONS

Bone Marrow

Note: STERNUM SUBSTITUTED FOR FEMUR.

Kidney

Liver

Bile Duct

Lung

Mammary Gland

Note: FIBROADENOMA TGLs = 2-13

Pituitary Gland

Pars Distalis

Spleen

Capsule

Stomach

Glandular

Thymus

Epithel Cell

Uterus

Cervix

Note: CYST TGLs = 1-5+12

Nephropathy

Hyperplasia

Inflammation

Infiltration Cellular

Pigmentation

Fibroadenoma

Cyst

Hyperplasia

Fibrosis

Degeneration

Hyperplasia

Cyst

Minimal

Mild

Granulomatous, Multifocal, Minimal

Histiocyte, Minimal

Minimal

Focal, Mild

Focal, Mild

Cystic, Mild

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 285

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 44MG/KG LOW FEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
 Esophagus
 Intestine Small - Jejunum
 Ovary
 Stomach - Forestomach
 Urinary Bladder

Adrenal Gland - Medulla
 Intestine Large - Colon
 Islets, Pancreatic
 Pancreas
 Stomach - Glandular
 Uterus

Bone Marrow
 Intestine Large - Rectum
 Lymph Node - Mesenteric
 Skin
 Thymus

Brain
 Intestine Small - Ileum
 Nose
 Spleen
 Trachea

MISSING

Clitoral Gland
 Parathyroid Gland

Intestine Large - Cecum
 Salivary Glands

Intestine Small - Duodenum

Lymph Node - Mandibular

OBSERVATIONS

Heart
 Kidney
 Liver

Endocardium

 Bile Duct

Schwannoma Malignant
 Nephropathy
 Basophilic Focus
 Hyperplasia
 Inflammation
 Infiltration Cellular
 Pigmentation
 Fibroadenoma

Minimal
 Mild
 Mild
 Granulomatous, Multifocal, Minimal
 Histiocyte, Minimal
 Minimal

Lung

Mammary Gland

Note: FIBROADENOMA TGLs = 1-12+13

Pituitary Gland

[Adenoma TGLS = 2-1]

Thyroid Gland

Pars Distalis

 C Cell

Adenoma

 Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 286

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 44MG/KG LOW FEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Thymus

OBSERVATIONS

Eye		Cataract	Moderate
	Retina	Degeneration	Moderate
Note: CATARACT	TGLs = 1-12		
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multifocal, Minimal
Lung	Alveolar Epith	Hyperplasia	Focal, Mild
		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Pituitary Gland		Angiectasis	Moderate
		Cyst	
Note: ANGIECTASIS	TGLs = 2-1		
Stomach	Glandular	Degeneration	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 287

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 44MG/KG LOW FEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone Marrow

Brain

Esophagus

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Mammary Gland

Nose

Ovary

Salivary Glands

Skin

Stomach - Forestomach

Trachea

MISSING

Clitoral Gland

Intestine Large - Rectum

Parathyroid Gland

OBSERVATIONS

Kidney

Epithelium, Renal Tubule

Hyperplasia

Focal, Minimal

Liver

Basophilic Focus

Mild

Bile Duct

Hyperplasia

Mild

Leukemia Mononuclear

Necrosis

Multifocal, Mild

Note: LEUKEMIA MONUC TGLs = 1-3+12

Note: NECROSIS TGLs = 1-12

Lung

Leukemia Mononuclear

Lymph Node

Mandibular

Leukemia Mononuclear

Mesenteric

Leukemia Mononuclear

Pancreas

Acinus

Atrophy

Mild

Leukemia Mononuclear

Pituitary Gland

Pars Distalis

Adenoma

Spleen

Leukemia Mononuclear

Stomach

Glandular

Degeneration

Cystic, Mild

Thymus

Epithel Cell

Hyperplasia

Mild

Thyroid Gland

Follicular Cel

Carcinoma

Note: CARCINOMA TGLs = 2-2

Urinary Bladder

Leukemia Mononuclear

Uterus

Polyp Stromal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 288

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 44MG/KG LOW FEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Clitoral Gland	Thymus
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OBSERVATIONS

Brain	Brain Stem	Compression	Moderate
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-3+16			
Lung		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Mandibular	Pigmentation	Hemosiderin, Mild
Mammary Gland	Duct	Ectasia	Moderate
		Fibroadenoma	Multiple
Note: ADDN'L MASS FOUND IN JAR WAS FIBROADENOMA FRAGMENT.			
Note: FIBROADENOMA TGLs = 1,2,6-12+13+14			
Mesentery	Fat	Necrosis	Focal, Marked
Note: NECROSIS TGLs = 3-15			
Pituitary Gland	Pars Distalis	Carcinoma	
Note: [CARCINOMA] TGLs = 5-1			
Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 288

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 44MG/KG LOW FEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 289

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 44MG/KG LOW FEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Nose
Skin
Trachea

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Kidney
Ovary
Stomach - Forestomach
Urinary Bladder

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mesenteric
Pancreas
Stomach - Glandular

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Mammary Gland
Salivary Glands
Thyroid Gland

MISSING

Clitoral Gland
Spleen

Liver

Lymph Node - Mandibular

Parathyroid Gland

OBSERVATIONS

Lung

Infiltration Cellular
Pigmentation

Histiocyte, Minimal
Minimal

Pituitary Gland

Angiectasis
Hyperplasia

Moderate
Focal, Mild

Thymus

Pars Distalis
Epithel Cell

Hyperplasia

Mild

Uterus

Polyp Stromal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 290

TRT#: 5

SEX: Female

DAY ON TEST: 561

DOSE: 44MG/KG LOW FEM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Mammary Gland
Salivary Glands
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Nose
Skin
Uterus

Bone Marrow
Heart
Intestine Small - Duodenum
Lymph Node - Mandibular
Ovary
Stomach - Forestomach

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mesenteric
Parathyroid Gland
Trachea

OBSERVATIONS

Kidney

Leukemia Mononuclear

Liver

Bile Duct

Nephropathy
Hyperplasia
Leukemia Mononuclear

Minimal
Mild

Note: LEUKEMIA MONUC TGLs = 2-3

Lung

Hemorrhage
Leukemia Mononuclear

Mild

Note: HEMORRHAGE TGLs = 4-6+7

Pancreas

Acinus

Atrophy
Cyst

Mild

Pituitary Gland

Pars Distalis

Hyperplasia
Leukemia Mononuclear

Focal, Mild

Spleen

Note: LEUKEMIA MONUC TGLs = 1-3

Stomach

Glandular

Degeneration

Cystic, Minimal

Thymus

Epithel Cell

Hyperplasia

Mild

Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 301

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 88 MG/KG HIGHFEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone Marrow

Brain

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Lymph Node - Mandibular

Lymph Node - Mesenteric

Mammary Gland

Nose

Ovary

Pancreas

Parathyroid Gland

Salivary Glands

Spleen

Stomach - Forestomach

Trachea

Urinary Bladder

Uterus

MISSING

Clitoral Gland

OBSERVATIONS

Heart

Cardiomyopathy

Mild

Kidney

Transit Epithe

Carcinoma

Nephropathy

Mild

Liver

Bile Duct

Hyperplasia

Mild

Lung

Infiltration Cellular

Histiocyte, Minimal

Pigmentation

Minimal

Pituitary Gland

Pars Distalis

Adenoma

Angiectasis

Mild

Skin

Cyst Epithelial Inclusion

Stomach

Glandular

Degeneration

Cystic, Mild

Thymus

Epithel Cell

Hyperplasia

Mild

Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 302

TRT#: 6

SEX: Female

DAY ON TEST: 604

DOSE: 88 MG/KG HIGHFEM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Nose
Salivary Glands
Thyroid Gland

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Lung
Ovary
Skin
Trachea

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Parathyroid Gland
Spleen
Urinary Bladder

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Pituitary Gland
Stomach - Forestomach

MISSING

Clitoral Gland Mammary Gland

OBSERVATIONS

Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Mild
		Sarcoma Stromal	Metastatic (Uterus)
Mesentery		Sarcoma Stromal	Metastatic (Uterus)
Pancreas		Sarcoma Stromal	Metastatic (Uterus)
Stomach	Glandular	Degeneration	Cystic, Minimal
Thymus	Epithel Cell	Hyperplasia	Mild
Uterus		Sarcoma Stromal	

Note: [SARC STROMAL] TGLs = 1-12

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 303

TRT#: 6

SEX: Female

DAY ON TEST: 704

DOSE: 88 MG/KG HIGHFEM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Clitoral Gland

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Brain	Cortex	Vacuolization Cytoplasmic	Focal, Mild
	Brain Stem	Gliosis	Mild
	Brain Stem	Hemorrhage	Minimal
	Cerebrum	Mineralization	Moderate
	Brain Stem	Pigmentation	Hemosiderin, Minimal
Eye		Cataract	Marked
	Retina	Degeneration	Marked
Note: CATARACT	TGLs = 1-14		
Heart		Cardiomyopathy	Mild
Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
		Pigmentation	Minimal
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Ovary		Cyst	
Note: CYST	TGLs = 3-13		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 303

TRT#: 6

SEX: Female

DAY ON TEST: 704

DOSE: 88 MG/KG HIGHFEM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 2-13		
Stomach	Glandular	Degeneration	Cystic, Minimal
Thymus	Epithel Cell	Hyperplasia	Mild
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 304

TRT#: 6

SEX: Female

DAY ON TEST: 492

DOSE: 88 MG/KG HIGHFEM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Hematopoietic Cell Proliferation	Mild
	Medulla	Hematopoietic Cell Proliferation	Mild
Bone		Osteosarcoma	
Note: OSTEOSARC	TGLs = 2-12		
Brain	Brain Stem	Pigmentation	Hemosiderin, Minimal
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Hematopoietic Cell Proliferation	Minimal
Lung		Hemorrhage	Minimal
Lymph Node	Mesenteric, Sinus	Ectasia	Mild
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL	TGLs = 1-3		
Stomach	Glandular	Degeneration	Cystic, Minimal
Thymus	Epithel Cell	Hyperplasia	Mild
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 305	TRT#: 6	SEX: Female	DAY ON TEST: 634
	DOSE: 88 MG/KG HIGHFEM	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Islets, Pancreatic	Kidney	Liver
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Thymus	Trachea
Urinary Bladder			

MISSING

Clitoral Gland	Intestine Small - Jejunum	Lymph Node - Mandibular	Lymph Node - Mesenteric
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OBSERVATIONS

Brain	Brain Stem	Gliosis	Minimal
	Brain Stem	Hemorrhage	Mild
	Brain Stem	Pigmentation	Hemosiderin, Minimal
Heart		Cardiomyopathy	Mild
Lung		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Stomach	Glandular	Degeneration	Cystic, Minimal
Thyroid Gland	C Cell	Hyperplasia	Minimal
Uterus		Polyp Stromal	Multiple

Note: POLYP STROMAL TGLs = 3-12+13

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 306

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 88 MG/KG HIGHFEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Clitoral Gland	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Focal, Moderate
Brain	Cerebrum	Gliosis	Moderate
	Cerebrum	Mineralization	Marked
	Cerebrum	Pigmentation	Hemosiderin, Minimal
Kidney		Nephropathy	Minimal
Liver		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
Note: ANOM HEPAT LOB	TGLs = 4-13		
Note: LEUKEMIA MONUC	TGLs = 3-3+13		
Lung		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Lymph Node	Bronchial	Hyperplasia	Plasma Cell, Mild
Note: HYPERPLASIA	TGLs = 5-2		
Pituitary Gland		Angiectasis	Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 2-12		
Stomach	Glandular	Degeneration	Cystic, Minimal
Thymus	Epithel Cell	Hyperplasia	Mild
Uterus	Endometrium	Cyst	
Note: CYST	TGLs = 1-14		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 307

TRT#: 6

SEX: Female

DAY ON TEST: 588

DOSE: 88 MG/KG HIGHFEM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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 - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Intestine Small - Jejunum	Parathyroid Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	
	Medulla	Hyperplasia	Multifocal, Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Brain	Brain Stem	Mineralization	Minimal
Heart	Endocardium	Thrombosis	Mild
Liver	Centrilobular	Degeneration	Mild
	Centrilobular	Fatty Change	Mild
Note: FATTY CHANGE TGLs = 2-3+12			
Spleen		Hematopoietic Cell Proliferation	Marked
Uterus		Inflammation	Suppurative, Mild
		Polyp Stromal	
Note: POLYP STROMAL TGLs = 1-13			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 308

TRT#: 6

SEX: Female

DAY ON TEST: 710

DOSE: 88 MG/KG HIGHFEM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Clitoral Gland	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
	Cortex	Leukemia Mononuclear	
Brain	Brain Stem	Gliosis	Moderate
	Cerebrum	Gliosis	Mild
	Brain Stem	Hemorrhage	Mild
	Cerebrum	Hemorrhage	Mild
	Brain Stem	Pigmentation	Hemosiderin, Mild
	Cerebrum	Pigmentation	Hemosiderin, Mild
Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Renal Tubule	Hyperplasia	Focal, Minimal
		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 2-3		
Lung		Leukemia Mononuclear	
Pituitary Gland		Cyst	
		Pigmentation	Hemosiderin, Mild
Spleen		Leukemia Mononuclear	
		Necrosis	Marked
Note: LEUKEMIA MONUC	TGLs = 1-12		
Thymus	Epithel Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 308

TRT#: 6

SEX: Female

DAY ON TEST: 710

DOSE: 88 MG/KG HIGHFEM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 309

TRT#: 6

SEX: Female

DAY ON TEST: 687

DOSE: 88 MG/KG HIGHFEM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Islets, Pancreatic	Lymph Node - Mesenteric	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Intestine Small - Jejunum

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Cortex	Vacuolization Cytoplasmic	Multifocal, Mild
Brain	Brain Stem	Gliosis	Moderate
	Cerebrum	Gliosis	Moderate
	Cerebrum	Hemorrhage	Mild
	Brain Stem	Mineralization	Marked
	Brain Stem	Pigmentation	Hemosiderin, Mild
	Cerebrum	Pigmentation	Hemosiderin, Mild
	[Mineralization TGLS = 9-1]		
Eye		Cataract	Moderate
	Retina	Degeneration	Moderate
Heart		Cardiomyopathy	Minimal
Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
Liver		Leukemia Mononuclear	
		Necrosis	Multifocal, Mild
Note: LEUKEMIA MONUC	TGLs = 7-13		
Lung		Hemorrhage	Marked
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 8-6+7		
Note: HEMORRHAGE	TGLs = 8-6+7		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 309

TRT#: 6

SEX: Female

DAY ON TEST: 687

DOSE: 88 MG/KG HIGHFEM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Moderate
Mammary Gland	Mandibular	Leukemia Mononuclear Adenocarcinoma Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-15			
Nose		Inflammation	Suppurative, Moderate
Pituitary Gland		Angiectasis	Moderate
Note: ANGIECTASIS TGLs = 10-12			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-3			
Stomach	Glandular	Degeneration	Cystic, Minimal
Thymus	Epithel Cell	Hyperplasia	Mild
Uterus		Sarcoma Stromal	
Note: SARC STROMAL TGLs = 6-14			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 310

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 88 MG/KG HIGHFEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Clitoral Gland

OBSERVATIONS

Brain	Brain Stem	Gliosis	Moderate
	Brain Stem	Hemorrhage	Minimal
	Cerebrum	Hemorrhage	Minimal
	Brain Stem	Pigmentation	Hemosiderin, Mild
Heart		Cardiomyopathy	Mild
Kidney		Calculus Micro Observation Only	Mild
		Nephropathy	Mild
Liver		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 5-3		
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	Multiple
		Galactocele	
Note: FIBROADENOMA	TGLs = 1,2-14+15		
Note: GALACTOCELE	TGLs = 2-15		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 6-12		
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-13		
Stomach	Glandular	Degeneration	Cystic, Minimal
Thymus		Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 310

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 88 MG/KG HIGHFEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Epithel Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 311	TRT#: 6	SEX: Female	DAY ON TEST: 596
	DOSE: 88 MG/KG HIGHFEM	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Islets, Pancreatic
Liver	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Clitoral Gland	Intestine Small - Jejunum	Pituitary Gland
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OBSERVATIONS

Kidney		Nephropathy	Minimal
Lung		Alveolar/Bronchiolar Adenoma	
		Infiltration Cellular	Histiocyte, Minimal
	Interstitialium	Inflammation	Minimal
		Pigmentation	Minimal
Lymph Node	Mandibular	Hemorrhage	Mild
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-12			
Stomach	Glandular	Degeneration	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 312

TRT#: 6

SEX: Female

DAY ON TEST: 470

DOSE: 88 MG/KG HIGHFEM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Adrenal Gland - Medulla

OBSERVATIONS

Adrenal Gland Note: ONE ADRENAL MISSING.	Cortex	Leukemia Mononuclear	
Brain Note: HEMORRHAGE TGLs = 5,6-1	Cerebellum Cerebrum	Hemorrhage Hemorrhage Leukemia Mononuclear	Marked Moderate
Heart Kidney		Leukemia Mononuclear Calculus Micro Observation Only	Mild
Liver Note: LEUKEMIA MONUC TGLs = 2-3	Bile Duct	Leukemia Mononuclear Hyperplasia Leukemia Mononuclear	Mild
Lung Note: LEUKEMIA MONUC TGLs = 3-6+7		Leukemia Mononuclear	
Lymph Node	Mandibular Mesenteric	Leukemia Mononuclear Leukemia Mononuclear Leukemia Mononuclear Leukemia Mononuclear	
Ovary Pituitary Gland Note: LEUKEMIA MONUC TGLs = 4-1		Leukemia Mononuclear Leukemia Mononuclear	
Spleen		Leukemia Mononuclear Necrosis	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 312

TRT#: 6

SEX: Female

DAY ON TEST: 470

DOSE: 88 MG/KG HIGHFEM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 1-3+12

Note: NECROSIS TGLs = 7-3+12

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 313

TRT#: 6

SEX: Female

DAY ON TEST: 612

DOSE: 88 MG/KG HIGHFEM

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Clitoral Gland	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Brain	Cerebrum	Hemorrhage	Minimal
		Leukemia Mononuclear	
	Cerebrum	Pigmentation	Hemosiderin, Minimal
Kidney		Leukemia Mononuclear	
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 2-3		
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-2+13		
Pituitary Gland		Cyst	
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-12		
Stomach	Glandular	Degeneration	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 314

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 88 MG/KG HIGHFEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Nose
Salivary Glands
Thyroid Gland

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Kidney
Ovary
Skin
Trachea

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Parathyroid Gland
Spleen
Urinary Bladder

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Pituitary Gland
Stomach - Forestomach
Uterus

OBSERVATIONS

Clitoral Gland
Liver
Lung

Lymph Node
Mammary Gland
Note: FIBROADENOMA TGLs = 1-13
Pancreas
Stomach
Thymus

Bile Duct
Alveolar Epith

Mediastinal

Acinus
Glandular
Epithel Cell

Hyperplasia
Hyperplasia
Hyperplasia
Infiltration Cellular
Pigmentation
Hemorrhage
Fibroadenoma

Atrophy
Degeneration
Hyperplasia

Mild
Mild
Multifocal, Mild
Histiocyte, Minimal
Minimal
Mild

Mild
Cystic, Minimal
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 315

TRT#: 6

SEX: Female

DAY ON TEST: 547

DOSE: 88 MG/KG HIGHFEM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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
Parathyroid Gland	Pituitary Gland	Thyroid Gland	Trachea

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Bone Marrow		Leukemia Mononuclear	
Heart		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 1-3		
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Ovary		Leukemia Mononuclear	
Pancreas		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-13		
Salivary Glands		Leukemia Mononuclear	
Skin	Subcut Tiss	Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 2-12		
Stomach	Glandular	Erosion	Multifocal, Mild
	Forestomach	Leukemia Mononuclear	
	Glandular	Leukemia Mononuclear	
Thymus		Leukemia Mononuclear	
Urinary Bladder		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 315

TRT#: 6

SEX: Female

DAY ON TEST: 547

DOSE: 88 MG/KG HIGHFEM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Uterus

Polyp Stromal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 316

TRT#: 6

SEX: Female

DAY ON TEST: 576

DOSE: 88 MG/KG HIGHFEM

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Adrenal Gland - Medulla	Clitoral Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Cortex	Vacuolization Cytoplasmic	Diffuse, Mild
Heart		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
Liver		Fatty Change	Diffuse, Moderate
		Leukemia Mononuclear	
Note: FATTY CHANGE	TGLs = 3-3		
Note: LEUKEMIA MONUC	TGLs = 3-3		
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Pituitary Gland		Angiectasis	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-14		
Note: ANGIECTASIS	TGLs = 4-14		
Spleen		Hemorrhage	Marked
		Leukemia Mononuclear	
Note: HEMORRHAGE	TGLs = 2-13		
Note: LEUKEMIA MONUC	TGLs = 1-12		
Stomach	Glandular	Degeneration	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 316

TRT#: 6

SEX: Female

DAY ON TEST: 576

DOSE: 88 MG/KG HIGHFEM

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Thymus	Epithel Cell	Hyperplasia	Mild
		Leukemia Mononuclear	
Uterus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 317

TRT#: 6

SEX: Female

DAY ON TEST: 534

DOSE: 88 MG/KG HIGHFEM

DISP: Gavage Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Nose
Salivary Glands
Stomach - Glandular
Uterus

Bone Marrow
Heart
Intestine Small - Duodenum
Lymph Node - Mandibular
Ovary
Skin
Thyroid Gland

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mesenteric
Pancreas
Spleen
Trachea

Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Mammary Gland
Parathyroid Gland
Stomach - Forestomach
Urinary Bladder

INSUFFICIENT TISSUE

Adrenal Gland - Medulla

OBSERVATIONS

Kidney
Liver

Bile Duct

Calculus Micro Observation Only
Hepatodiaphragmatic Nodule
Hyperplasia

Minimal

Minimal

Note: ANOM HEPAT LOB TGLs = 4-3

Lung

Hemorrhage
Infiltration Cellular
Pigmentation

Minimal

Histiocyte, Minimal

Minimal

Pituitary Gland
Thymus

Cyst
Hemorrhage

Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: DIAPHRAGMATIC HERNIA PRESENT. TGL 3-12.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 318

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 88 MG/KG HIGHFEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Intestine Large - Cecum
Intestine Small - Ileum
Ovary
Trachea

Adrenal Gland - Medulla
Intestine Large - Colon
Intestine Small - Jejunum
Parathyroid Gland
Urinary Bladder

Bone Marrow
Intestine Large - Rectum
Mammary Gland
Salivary Glands

Esophagus
Intestine Small - Duodenum
Nose
Skin

OBSERVATIONS

Brain Cerebrum Gliosis
Cerebrum Hemorrhage
Cerebrum Pigmentation
Clitoral Gland Duct Ectasia
Hyperplasia
Heart Leukemia Mononuclear
Islets, Pancreatic Adenoma
Kidney Epithelium, Renal Tubule Hyperplasia
Leukemia Mononuclear
Liver Bile Duct Hyperplasia
Leukemia Mononuclear
Lung Peribronchiolr Foreign Body
Infiltration Cellular
Leukemia Mononuclear
Pigmentation
Lymph Node Mandibular Leukemia Mononuclear
Mesenteric Leukemia Mononuclear
Pancreas Leukemia Mononuclear
Pituitary Gland Angiectasis
Pars Distalis Hyperplasia
Leukemia Mononuclear
Note: LEUKEMIA MONUC TGLs = 2-1
Spleen Leukemia Mononuclear
Note: LEUKEMIA MONUC TGLs = 1-12

Minimal
Minimal
Hemosiderin, Minimal
Moderate
Mild
Minimal
Mild
Mild
Histiocyte, Minimal
Minimal
Mild
Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 318

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 88 MG/KG HIGHFEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Stomach	Glandular	Degeneration	Cystic, Mild
	Forestomach	Leukemia Mononuclear	
Thymus	Epithel Cell	Hyperplasia	Mild
		Leukemia Mononuclear	
Thyroid Gland	Follicular Cel	Adenoma	
Uterus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 319

TRT#: 6

SEX: Female

DAY ON TEST: 704

DOSE: 88 MG/KG HIGHFEM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Adrenal Gland - Medulla	Thymus
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OBSERVATIONS

Brain	Cerebrum	Mineralization	Mild
	Cerebrum	Pigmentation	Hemosiderin, Minimal
Clitoral Gland		Adenoma	
Kidney		Calculus Micro Observation Only	Mild
Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
Lung		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Mammary Gland		Adenocarcinoma	
		Fibroadenoma	Multiple
Note: FIBROADENOMA	TGLs = 1,3-13+15		
Note: ADENOCARC	TGLs = 2-14		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 4-12		
Stomach	Glandular	Degeneration	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 320 **TRT#:** 6 **SEX:** Female **DAY ON TEST:** 536
DOSE: 88 MG/KG HIGHFEM **DISP:** Moribund **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Brain	Brain Stem	Gliosis	Mild
	Cerebrum	Gliosis	Mild
	Brain Stem	Hemorrhage	Minimal
	Cerebrum	Hemorrhage	Minimal
	Cerebrum	Mineralization	Mild
	Brain Stem	Pigmentation	Hemosiderin, Mild
	Cerebrum	Pigmentation	Hemosiderin, Mild
Clitoral Gland	Duct	Ectasia	Mild
Note: ECTASIA TGLs = 3-8			
Kidney		Nephropathy	Minimal
Liver		Fatty Change	Diffuse, Moderate
		Hepatodiaphragmatic Nodule	
Note: ANOM HEPAT LOB TGLs = 1-3			
Lung		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Lymph Node	Mesenteric, Sinus	Ectasia	Mild
	Mesenteric	Hemorrhage	Minimal
Stomach	Glandular	Erosion	Mild
	Forestomach	Hyperplasia	Focal, Moderate
Note: HYPERPLASIA TGLs = 4-8			
Thymus	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 321	TRT#: 6	SEX: Female	DAY ON TEST: 393
	DOSE: 88 MG/KG HIGHFEM	DISP: Gavage Death	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Clitoral Gland
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Hemorrhage	Moderate
	Cortex	Necrosis	Moderate
Liver		Hepatodiaphragmatic Nodule	
Note: ANOM HEPAT LOB TGLs = 1-3			
Lung		Hemorrhage	Moderate
Note: HEMORRHAGE TGLs = 2-6+7			
Lymph Node	Mediastinal	Hemorrhage	Moderate
Thymus		Hemorrhage	Mild
Uterus		Polyp Stromal	
Note: POLYP STROMAL TGLs = 4-5			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 322	TRT#: 6	SEX: Female	DAY ON TEST: 731
	DOSE: 88 MG/KG HIGHFEM	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Clitoral Gland	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone		Osteopetrosis	Moderate
Brain	Cerebrum	Gliosis	Mild
	Cerebrum	Pigmentation	Hemosiderin, Minimal
Liver		Basophilic Focus	Moderate
		Leukemia Mononuclear	
Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
		Pigmentation	Minimal
Lymph Node	Bronchial	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-12			
Mammary Gland	Duct	Ectasia	Moderate
		Fibroadenoma	
Pituitary Gland		Cyst	
Spleen		Leukemia Mononuclear	
Thymus	Epithel Cell	Hyperplasia	Mild
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 323

TRT#: 6

SEX: Female

DAY ON TEST: 534

DOSE: 88 MG/KG HIGHFEM

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Salivary Glands
Thyroid Gland

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Kidney
Nose
Skin
Trachea

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Ovary
Stomach - Forestomach
Urinary Bladder

Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Pituitary Gland
Stomach - Glandular
Uterus

MISSING

Parathyroid Gland

OBSERVATIONS

Brain
Liver
Note: FATTY CHANGE TGLs = 1-3
Lung

Brain Stem
Brain Stem
Periportal
Alveolar Epith

Gliosis
Pigmentation
Fatty Change
Hyperplasia
Infiltration Cellular
Leukocytosis
Pigmentation

Mild
Hemosiderin, Mild
Mild
Focal, Mild
Histiocyte, Minimal
Mild
Minimal

Note: PIGMENT TGLs = 3-6+7
Note: INFILTRAT CELL TGLs = 3-6+7
Note: LUNGS- NEUTROPHILIC LEUKOCYTOSIS.

Pancreas
Spleen
Thymus
Acinus

Atrophy
Hematopoietic Cell Proliferation
Hemorrhage

Mild
Moderate
Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 324

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 88 MG/KG HIGHFEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mesenteric
Parathyroid Gland
Stomach - Forestomach
Uterus

Adrenal Gland - Medulla
Intestine Large - Colon
Intestine Small - Jejunum
Nose
Salivary Glands
Thyroid Gland

Bone Marrow
Intestine Large - Rectum
Islets, Pancreatic
Ovary
Skin
Trachea

Esophagus
Intestine Small - Duodenum
Lymph Node - Mandibular
Pancreas
Spleen
Urinary Bladder

MISSING

Clitoral Gland Thymus

OBSERVATIONS

Brain	Cerebrum	Gliosis	Minimal
	Cerebrum	Hemorrhage	Minimal
	Cerebrum	Pigmentation	Hemosiderin, Minimal
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multifocal, Minimal
Lung		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 1-13		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 2-12		
Stomach	Glandular	Degeneration	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 325

TRT#: 6

SEX: Female

DAY ON TEST: 519

DOSE: 88 MG/KG HIGHFEM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Adrenal Gland	Cortex	Angiectasis	Mild
Bone Marrow		Hyperplasia	Moderate
Brain	Cerebrum	Mineralization	Minimal
Clitoral Gland		Carcinoma	
Note: CARCINOMA	TGLs = 1-15		
Kidney	Epithelium, Renal Tubule	Hyperplasia	Focal, Minimal
	Pelvis	Inflammation	Chronic, Moderate
Liver		Hematopoietic Cell Proliferation	Minimal
		Hepatodiaphragmatic Nodule	
Note: ANOM HEPAT LOB	TGLs = 5-13		
Lung		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL	TGLs = 7-14		
Stomach	Glandular	Degeneration	Cystic, Minimal

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 326

TRT#: 6

SEX: Female

DAY ON TEST: 610

DOSE: 88 MG/KG HIGHFEM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Eye
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Esophagus

OBSERVATIONS

Brain	Brain Stem	Gliosis	Mild
	Brain Stem	Hemorrhage	Minimal
	Brain Stem	Mineralization	Moderate
	Brain Stem	Pigmentation	Hemosiderin, Minimal
Clitoral Gland	Duct	Ectasia	Moderate
Kidney	Epithelium, Renal Tubule	Hyperplasia	Focal, Minimal
		Nephropathy	Minimal
Liver		Basophilic Focus	Mild
		Fatty Change	Multifocal, Minimal
	Bile Duct	Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA			
TGLs = 2-1			
Stomach	Glandular	Degeneration	Cystic, Minimal
	Forestomach	Inflammation	Acute, Moderate
Thymus	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 327

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 88 MG/KG HIGHFEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Clitoral Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Brain	Brain Stem	Gliosis	Minimal
	Brain Stem	Hemorrhage	Minimal
	Brain Stem	Pigmentation	Hemosiderin, Minimal
	Renal Tubule	Adenoma	
Kidney		Calculus Micro Observation Only	Minimal
		Nephropathy	Minimal
		Basophilic Focus	Mild
		Bile Duct	Hyperplasia
Liver		Inflammation	Granulomatous, Multifocal, Minimal
		Adenocarcinoma	
		Fibroadenoma	Multiple
Note: [FIBROADENOMA] TGLs = 1,2-13+14			
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland		Angiectasis	Moderate
Stomach	Glandular	Degeneration	Cystic, Mild
Uterus		Polyp Stromal	
Note: POLYP STROMAL TGLs = 3-12			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 328

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 88 MG/KG HIGHFEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Clitoral Gland	Stomach - Forestomach
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OBSERVATIONS

Brain	Brain Stem	Gliosis	Mild
	Cerebrum	Gliosis	Minimal
	Brain Stem	Pigmentation	Hemosiderin, Mild
	Cerebrum	Pigmentation	Hemosiderin, Minimal
Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Minimal
Liver		Basophilic Focus	Mild
		Inflammation	Granulomatous, Multifocal, Minimal
Lung		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Mammary Gland	Duct	Ectasia	Mild
		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 1-12		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 2-1		
Stomach	Glandular	Degeneration	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 329

TRT#: 6

SEX: Female

DAY ON TEST: 617

DOSE: 88 MG/KG HIGHFEM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland
Nose	Ovary	Pancreas	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
Brain	Cerebrum	Gliosis	Moderate
	Cerebrum	Hemorrhage	Minimal
	Cerebrum	Mineralization	Minimal
	Cerebrum	Pigmentation	Hemosiderin, Mild
Clitoral Gland	Duct	Ectasia	Moderate
		Inflammation	Chronic Active, Moderate
Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
Note: LEUKEMIA MONUC TGLs = 3-4			
Liver	Bile Duct	Fatty Change	Diffuse, Mild
		Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-12			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-3			
Stomach	Glandular	Degeneration	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 329

TRT#: 6

SEX: Female

DAY ON TEST: 617

DOSE: 88 MG/KG HIGHFEM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 330

TRT#: 6

SEX: Female

DAY ON TEST: 469

DOSE: 88 MG/KG HIGHFEM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Clitoral Gland	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Brain	Cerebellum	Hemorrhage	Moderate
	Cerebellum	Necrosis	Moderate
Note: NECROSIS TGLs = 1-1 [Hemorrhage TGLS = 1-1]			
Kidney		Leukemia Mononuclear	
Liver		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
Note: ANOM HEPAT LOB TGLs = 2-3			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Moderate
	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
Stomach	Forestomach	Ulcer	Marked
	Glandular	Ulcer	Moderate
Note: ULCER TGLs = 4-12			
Thymus		Cyst	
	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 331

TRT#: 6

SEX: Female

DAY ON TEST: 154

DOSE: 88 MG/KG HIGHFEM

DISP: Gavage Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Liver	Lymph Node - Mesenteric	Mammary Gland
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Clitoral Gland

OBSERVATIONS

Brain	Meninges	Hemorrhage	Moderate
[Hemorrhage TGLS = 2-1]			
Lung		Hemorrhage	Marked
Note: HEMORRHAGE TGLs = 3-6+7			
Lymph Node	Mandibular	Hemorrhage	Moderate
	Mediastinal	Hemorrhage	Moderate
Nose		Hemorrhage	Moderate
Note: HEMORRHAGE TGLs = 1-11			
Stomach	Glandular	Degeneration	Cystic, Minimal
Thymus		Hemorrhage	Minimal
Uterus		Hydrometra	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 332

TRT#: 6

SEX: Female

DAY ON TEST: 431

DOSE: 88 MG/KG HIGHFEM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Clitoral Gland
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mesenteric
Pancreas
Skin
Thyroid Gland

Adrenal Gland - Medulla
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Mammary Gland
Parathyroid Gland
Spleen
Trachea

Bone Marrow
Eye
Intestine Large - Rectum
Islets, Pancreatic
Nose
Pituitary Gland
Stomach - Forestomach
Urinary Bladder

Brain
Heart
Intestine Small - Duodenum
Lymph Node - Mandibular
Ovary
Salivary Glands
Thymus
Uterus

OBSERVATIONS

Harderian Gland
Kidney
Liver
Lung

Stomach

Bile Duct

Glandular

Infiltration Cellular
Nephropathy
Hyperplasia
Infiltration Cellular
Pigmentation
Degeneration

Lymphocyte, Mild
Minimal
Minimal
Histiocyte, Minimal
Minimal
Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 333

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 88 MG/KG HIGHFEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Salivary Glands	Skin	Stomach - Forestomach
Trachea	Urinary Bladder	Uterus	

MISSING

Clitoral Gland	Parathyroid Gland
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OBSERVATIONS

Brain	Cerebrum	Gliosis	Moderate
	Cerebrum	Hemorrhage	Minimal
	Cerebrum	Pigmentation	Hemosiderin, Mild
Kidney	Epithelium, Renal Tubule	Hyperplasia	Focal, Minimal
		Nephropathy	Mild
		Basophilic Focus	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Infiltration Cellular	Histiocyte, Minimal
Mammary Gland	TGLs = 1,2-12+13	Pigmentation	Minimal
		Fibroadenoma	Multiple
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Leukemia Mononuclear	
Stomach	Glandular	Degeneration	Cystic, Minimal
Thymus	Epithel Cell	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Carcinoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 334

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 88 MG/KG HIGHFEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Ovary
Skin
Urinary Bladder

Bone Marrow
Heart
Intestine Small - Duodenum
Lymph Node - Mandibular
Parathyroid Gland
Spleen
Uterus

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mesenteric
Pituitary Gland
Stomach - Forestomach

Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Nose
Salivary Glands
Trachea

MISSING

Adrenal Gland - Medulla

OBSERVATIONS

Kidney
Liver
Lung
Mammary Gland
Note: FIBROADENOMA TGLs = 1-12
Pancreas
Stomach
Thymus
Thyroid Gland
Note: ADENOMA TGLs = 2-2

Renal Tubule
Epithelium, Renal Tubule
Bile Duct
Acinus
Glandular
Epithel Cell
C Cell

Adenoma
Hyperplasia
Nephropathy
Basophilic Focus
Hyperplasia
Infiltration Cellular
Pigmentation
Fibroadenoma
Atrophy
Degeneration
Hyperplasia
Adenoma

Focal, Mild
Mild
Mild
Mild
Histiocyte, Minimal
Minimal
Moderate
Cystic, Mild
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 335

TRT#: 6

SEX: Female

DAY ON TEST: 610

DOSE: 88 MG/KG HIGHFEM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Spleen	Stomach - Forestomach
Thyroid Gland	Trachea	Uterus	

MISSING

Skin	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Focal, Minimal
Brain	Brain Stem	Compression	Mild
Clitoral Gland		Adenoma	
Kidney	Epithelium, Renal Tubule	Hyperplasia	Focal, Minimal
		Nephropathy	Minimal
Liver		Fatty Change	Focal, Minimal
Lung		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-13			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2-12			
Stomach	Glandular	Degeneration	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 336

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 88 MG/KG HIGHFEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Thymus	Trachea	Urinary Bladder	Uterus

MISSING

Clitoral Gland	Pituitary Gland
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OBSERVATIONS

Brain	Brain Stem	Gliosis	Mild
	Cerebrum	Gliosis	Moderate
	Brain Stem	Hemorrhage	Minimal
	Cerebrum	Hemorrhage	Minimal
	Brain Stem	Mineralization	Moderate
	Cerebrum	Mineralization	Minimal
	Brain Stem	Pigmentation	Hemosiderin, Mild
	Cerebrum	Pigmentation	Hemosiderin, Mild
Heart		Cardiomyopathy	Minimal
Kidney	Renal Tubule	Adenoma	
	Epithelium, Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Infiltration Cellular	Histiocyte, Minimal
Lung		Pigmentation	Minimal
		Fibroadenoma	
Mammary Gland			
Note: FIBROADENOMA TGLs = 1-12			
Spleen		Leukemia Mononuclear	
Stomach	Glandular	Degeneration	Cystic, Minimal
Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 336

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 88 MG/KG HIGHFEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 337

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 88 MG/KG HIGHFEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Thymus
Trachea			

MISSING

Clitoral Gland	Parathyroid Gland	Urinary Bladder	
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Multifocal, Mild
	Cortex	Vacuolization Cytoplasmic	Diffuse, Mild
Brain	Brain Stem	Gliosis	Mild
	Brain Stem	Mineralization	Mild
	Brain Stem	Pigmentation	Hemosiderin, Mild
Heart		Cardiomyopathy	Mild
Kidney	Renal Tubule	Adenoma	
	Epithelium, Renal Tubule	Hyperplasia	Multifocal, Mild
		Nephropathy	Moderate
Note: NEPHROPATHY	TGLs = 2-5		
Liver	Centrilobular	Fatty Change	Minimal
	Bile Duct	Hyperplasia	Minimal
Lung		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Pituitary Gland		Cyst	
	Pars Distalis	Hyperplasia	Focal, Mild
Stomach	Glandular	Degeneration	Cystic, Moderate
Thyroid Gland	C Cell	Carcinoma	
Note: CARCINOMA	TGLs = 3-2		
Uterus		Inflammation	Suppurative, Mild
		Sarcoma Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 337

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 88 MG/KG HIGHFEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: SARC STROMAL TGLs = 1-12

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 338

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 88 MG/KG HIGHFEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Spleen
Stomach - Forestomach	Trachea	Urinary Bladder	Uterus

MISSING

Thymus

OBSERVATIONS

Brain	Brain Stem	Gliosis	Mild
	Cerebrum	Gliosis	Mild
	Brain Stem	Hemorrhage	Minimal
	Cerebrum	Hemorrhage	Minimal
	Brain Stem	Mineralization	Moderate
	Brain Stem	Pigmentation	Hemosiderin, Minimal
	Cerebrum	Pigmentation	Hemosiderin, Minimal
Clitoral Gland	Duct	Ectasia	Moderate
		Hyperplasia	Mild
Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Minimal
Liver		Inflammation	Granulomatous, Multifocal, Minimal
Lung		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Pituitary Gland		Cyst	
Skin	Subcut Tiss	Hemangiosarcoma	
Note: HEMANGIOSARC TGLs = 1-13			
Stomach	Glandular	Degeneration	Cystic, Minimal
Thyroid Gland	Follicular Cel	Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 338

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 88 MG/KG HIGHFEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: CARCINOMA TGLs = 2-12

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 339

TRT#: 6

SEX: Female

DAY ON TEST: 581

DOSE: 88 MG/KG HIGHFEM

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Islets, Pancreatic
Pancreas
Skin
Thyroid Gland

Adrenal Gland - Medulla
Heart
Lymph Node - Mesenteric
Parathyroid Gland
Spleen
Trachea

Bone Marrow
Intestine Large - Colon
Mammary Gland
Pituitary Gland
Stomach - Forestomach
Urinary Bladder

Clitoral Gland
Intestine Large - Rectum
Ovary
Salivary Glands
Stomach - Glandular
Uterus

MISSING

Thymus

AUTO PRECLUDES DIAG.

Intestine Large - Cecum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

OBSERVATIONS

Brain
Note: NECROSIS TGLs = 1-13

Brain Stem
Cerebrum
Cerebrum
Cerebrum

Hemorrhage
Hemorrhage
Mineralization
Pigmentation
Necrosis

Minimal
Minimal
Minimal
Hemosiderin, Minimal
Marked

Eye
Kidney
Liver

Bile Duct
Peribronchiolr
Mandibular

Nephropathy
Fatty Change
Hyperplasia
Foreign Body
Hyperplasia

Minimal
Focal, Mild
Mild
Mild
Plasma Cell, Moderate

Lung
Lymph Node
Note: HYPERPLASIA TGLs = 2-12
Nose

Inflammation
Squamous Cell Carcinoma

Suppurative, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 340

TRT#: 6

SEX: Female

DAY ON TEST: 687

DOSE: 88 MG/KG HIGHFEM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Clitoral Gland	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Pituitary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Brain	Brain Stem	Hemorrhage	Mild
	Brain Stem	Necrosis	Minimal
	Brain Stem	Pigmentation	Hemosiderin, Minimal
Kidney	Epithelium, Renal Tubule	Hyperplasia	Focal, Minimal
		Nephropathy	Mild
Liver		Inflammation	Granulomatous, Multifocal, Minimal
Lung		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Pancreas	Acinus	Atrophy	Minimal
Stomach	Glandular, Submucosa	Fibrosis	Mild
Note: FIBROSIS	TGLs = 4-8		
Thymus	Epithel Cell	Hyperplasia	Mild
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 341

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 88 MG/KG HIGHFEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Clitoral Gland	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Thymus	Trachea	

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
	Cortex	Leukemia Mononuclear	
Brain	Cerebrum	Gliosis	Minimal
	Cerebrum	Leukemia Mononuclear	
	Cerebrum	Mineralization	Minimal
	Cerebrum	Pigmentation	Hemosiderin, Minimal
Heart		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Necrosis	Multifocal, Mild
Note: LEUKEMIA MONUC	TGLs = 4-14		
Lung		Leukemia Mononuclear	
Lymph Node	Bronchial	Leukemia Mononuclear	
	Deep Cervical	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 1-2		
Note: LEUKEMIA MONUC	TGLs = 5-2		
Note: LEUKEMIA MONUC	TGLs = 6-12		
Pituitary Gland		Angiectasis	Mild
		Pigmentation	Hemosiderin, Mild
Salivary Glands		Leukemia Mononuclear	
Skin	Subcut Tiss	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 341

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 88 MG/KG HIGHFEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen Note: LEUKEMIA MONUC TGLs = 2-3			Leukemia Mononuclear	
Stomach	Glandular Forestomach Glandular		Degeneration Leukemia Mononuclear Leukemia Mononuclear	Cystic, Minimal
Thyroid Gland	C Cell		Adenoma	
Urinary Bladder			Leukemia Mononuclear	
Uterus Note: POLYP STROMAL TGLs = 3-13			Polyp Stromal	
PRIMARY CAUSE OF DEATH	-			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 342

TRT#: 6

SEX: Female

DAY ON TEST: 288

DOSE: 88 MG/KG HIGHFEM

DISP: Gavage Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Nose
Salivary Glands
Thymus
Uterus

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Kidney
Ovary
Skin
Thyroid Gland

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Pancreas
Spleen
Trachea

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Pituitary Gland
Stomach - Glandular
Urinary Bladder

MISSING

Clitoral Gland

Lymph Node - Mandibular

Mammary Gland

Parathyroid Gland

OBSERVATIONS

Lung
Note: HEMORRHAGE TGLs = 2-6+7

Hemorrhage Marked

Stomach
Note: ULCER TGLs = 3-8

Forestomach Ulcer Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 343

TRT#: 6

SEX: Female

DAY ON TEST: 675

DOSE: 88 MG/KG HIGHFEM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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 - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Salivary Glands	Skin
Stomach - Forestomach	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Clitoral Gland	Parathyroid Gland
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OBSERVATIONS

Brain		Glioma Malignant	
	Cerebrum	Gliosis	Minimal
	Cerebrum	Hemorrhage	Minimal
	Cerebrum	Mineralization	Mild
	Cerebrum	Pigmentation	Hemosiderin, Minimal
Eye	Retina	Degeneration	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-3		
Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Hemorrhage	Mild
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 1-14		
Pituitary Gland		Cyst	
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-13		
Stomach	Glandular	Degeneration	Cystic, Minimal
Thymus	Epithel Cell	Hyperplasia	Mild
Uterus	Endometrium	Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 344

TRT#: 6

SEX: Female

DAY ON TEST: 724

DOSE: 88 MG/KG HIGHFEM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Brain	Cerebrum	Gliosis	Moderate
	Cerebrum	Hemorrhage	Minimal
	Cerebrum	Mineralization	Minimal
	Cerebrum	Pigmentation	Hemosiderin, Moderate
Clitoral Gland		Adenoma	
Eye		Cataract	Marked
	Retina	Degeneration	Marked
Note: CATARACT	TGLs = 1-12		
Kidney	Epithelium, Renal Tubule	Hyperplasia	Focal, Minimal
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
		Pigmentation	Minimal
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 2-13		
Pituitary Gland		Angiectasis	Mild
		Cyst	
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-15		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 344

TRT#: 6

SEX: Female

DAY ON TEST: 724

DOSE: 88 MG/KG HIGHFEM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Stomach	Glandular	Degeneration	Cystic, Minimal
	Forestomach	Inflammation	Acute, Mild
Thymus		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-14		
Uterus	Endometrium	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 345

TRT#: 6

SEX: Female

DAY ON TEST: 660

DOSE: 88 MG/KG HIGHFEM

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Brain	Cerebrum	Gliosis	Mild
	Cerebrum	Hemorrhage	Minimal
	Cerebrum	Pigmentation	Hemosiderin, Minimal
Clitoral Gland	Duct	Ectasia	Moderate
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-14			
Lung		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Mammary Gland		Galactocele	
Note: GALACTOCELE TGLs = 1-13			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 3-12			
Spleen		Leukemia Mononuclear	
Stomach	Glandular	Degeneration	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 346

TRT#: 6

SEX: Female

DAY ON TEST: 592

DOSE: 88 MG/KG HIGHFEM

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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
Liver	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Ovary	Pancreas	Salivary Glands
Skin	Stomach - Forestomach	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Angiectasis	Mild
	Cortex	Vacuolization Cytoplasmic	Focal, Minimal
Brain	Cerebrum	Mineralization	Moderate
Clitoral Gland		Carcinoma	
Note: CARCINOMA	TGLs = 1-12		
Nose		Inflammation	Suppurative, Marked
		Ulcer	Moderate
Pituitary Gland		Angiectasis	Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
Stomach	Glandular	Degeneration	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 347

TRT#: 6

SEX: Female

DAY ON TEST: 555

DOSE: 88 MG/KG HIGHFEM

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Nose
Pituitary Gland
Stomach - Glandular

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Lymph Node - Mandibular
Ovary
Salivary Glands
Thyroid Gland

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mesenteric
Pancreas
Skin
Trachea

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Mammary Gland
Parathyroid Gland
Stomach - Forestomach
Urinary Bladder

OBSERVATIONS

Clitoral Gland
Kidney
Liver
 Note: NECROSIS TGLs = 2-3
Lung

Spleen
Thymus

Uterus
 Note: POLYP STROMAL TGLs = 1-12

Centrilobular

Epithel Cell

Adenoma
Nephropathy
Necrosis

Infiltration Cellular
Pigmentation
Hematopoietic Cell Proliferation
Hemorrhage
Hyperplasia
Polyp Stromal

Minimal
Moderate

Histiocyte, Minimal
Minimal
Moderate
Minimal
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 348

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 88 MG/KG HIGHFEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Clitoral Gland
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Trachea
Urinary Bladder	Uterus		

MISSING

Thymus

OBSERVATIONS

Brain	Brain Stem	Gliosis	Mild
	Cerebrum	Gliosis	Mild
	Brain Stem	Hemorrhage	Minimal
	Cerebrum	Mineralization	Minimal
	Brain Stem	Pigmentation	Hemosiderin, Minimal
	Cerebrum	Pigmentation	Hemosiderin, Minimal
Kidney	Epithelium, Renal Tubule	Hyperplasia	Focal, Minimal
		Nephropathy	Minimal
		Hyperplasia	Mild
Liver	Bile Duct	Hyperplasia	Mild
Mammary Gland		Adenoma	
		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-13			
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2-12			
Stomach	Glandular	Degeneration	Cystic, Mild
Thyroid Gland	Follicle	Cyst	
	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 349

TRT#: 6

SEX: Female

DAY ON TEST: 718

DOSE: 88 MG/KG HIGHFEM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Salivary Glands
Skin	Stomach - Forestomach	Trachea	Urinary Bladder
Uterus			

MISSING

Clitoral Gland	Parathyroid Gland	Thymus
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OBSERVATIONS

Brain	Brain Stem	Gliosis	Mild
	Cerebrum	Gliosis	Minimal
	Brain Stem	Mineralization	Moderate
	Cerebrum	Mineralization	Minimal
	Brain Stem	Pigmentation	Hemosiderin, Mild
	Cerebrum	Pigmentation	Hemosiderin, Minimal
Eye		Cataract	Marked
	Retina	Degeneration	Marked
Note: CATARACT	TGLs = 1-12		
Heart		Cardiomyopathy	Minimal
Kidney	Epithelium, Renal Tubule	Hyperplasia	Focal, Minimal
		Nephropathy	Minimal
Liver		Basophilic Focus	Mild
		Fatty Change	Multifocal, Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
Lymph Node	Mandibular	Hemorrhage	Mild
Mammary Gland		Fibroadenoma	Multiple
Note: FIBROADENOMA	TGLs = 2,3-13+14		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 349

TRT#: 6

SEX: Female

DAY ON TEST: 718

DOSE: 88 MG/KG HIGHFEM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Pituitary Gland		Angiectasis	Mild
Spleen		Leukemia Mononuclear	
Stomach	Glandular	Degeneration	Cystic, Minimal
Thyroid Gland	Follicular Cel	Carcinoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: tris(2-Chloroethyl) phosphate
CAS Number: 115-96-8

Date Report Requested: 10/19/2014
Time Report Requested: 15:04:19
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 350

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 88 MG/KG HIGHFEM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Parathyroid Gland	Thymus
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OBSERVATIONS

Brain	Cerebrum	Gliosis	Mild
	Cerebrum	Hemorrhage	Minimal
	Cerebrum	Mineralization	Minimal
	Cerebrum	Pigmentation	Hemosiderin, Minimal
Clitoral Gland	Duct	Ectasia	Mild
		Inflammation	Chronic Active, Mild
Heart		Cardiomyopathy	Minimal
Kidney	Renal Tubule	Adenoma	
	Epithelium, Renal Tubule	Hyperplasia	Focal, Minimal
		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Multifocal, Minimal
Lung	Alveolar Epith	Hyperplasia	Focal, Moderate
		Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
		Fibroadenoma	
Mammary Gland			
Note: FIBROADENOMA	TGLs = 1-12		
Stomach	Glandular	Degeneration	Cystic, Mild
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05042-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: tris(2-Chloroethyl) phosphate

CAS Number: 115-96-8

Date Report Requested: 10/19/2014

Time Report Requested: 15:04:19

First Dose M/F: NA / NA

Lab: MBA

**** END OF REPORT ****

* PROTOCOL REQUIRED TISSUE