

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

<b>C Number:</b>	C61041B
<b>Lock Date:</b>	12/30/1991
<b>Cage Range:</b>	All
<b>Date Range:</b>	All
<b>Reasons For Removal:</b>	All
<b>Removal Date Range:</b>	All
<b>Treatment Groups:</b>	All
<b>Study Gender:</b>	Both
<b>PWG Approval Date</b>	03/03/1992

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 1	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 273
	<b>DOSE:</b> 0 PPM	<b>DISP:</b> Scheduled Sacrifice	<b>HISTO:</b> 8800001

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**OBSERVATIONS**

* Heart	Degeneration	Mild
* Kidney	Nephropathy	Minimal
Mesentery	Inflammation	Chronic, Minimal

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:04

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 2

TRT#: 1

SEX: Male

DAY ON TEST: 273

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 8800002

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Degeneration	Minimal
* Pancreas	Inflammation	Chronic, Minimal
Preputial Gland	Inflammation	Chronic, Minimal
* Prostate	Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 3

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800003

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 4	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 455
	<b>DOSE:</b> 0 PPM	<b>DISP:</b> Scheduled Sacrifice	<b>HISTO:</b> 8800004

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
* Pituitary Gland	Pars Distalis	Mineralization	Minimal
Preputial Gland		Inflammation	Chronic Active, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 5	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 455
	<b>DOSE:</b> 0 PPM	<b>DISP:</b> Scheduled Sacrifice	<b>HISTO:</b> 8800005

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**OBSERVATIONS**

* Adrenal Medulla		Hyperplasia	Mild
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
* Pancreas	Acinus	Atrophy	Mild
Preputial Gland		Inflammation	Chronic Active, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 6	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 96
	<b>DOSE:</b> 0 PPM	<b>DISP:</b> Scheduled Sacrifice	<b>HISTO:</b> 8800006

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Peripheral Nerve	* Spinal Cord
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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03

**Test Type:** CHRONIC

**Route:** DOSED FEED

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Tricresyl phosphate

**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 21:20:04

**First Dose M/F:** NA / NA

**Lab:** BAT

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**ANIMAL ID:** 7

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 457

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800007

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 8	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 278
	<b>DOSE:</b> 0 PPM	<b>DISP:</b> Scheduled Sacrifice	<b>HISTO:</b> 8800008

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Peripheral Nerve	* Spinal Cord
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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 9

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 87

**DOSE:** 0 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800009

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Liver	Hepatodiaphragmatic Nodule	
[ Hepatodiaphragmatic Nodule TGLS = 2-13 ]		
* Nose	Inflammation	Suppurative, Moderate

**PRIMARY CAUSE OF DEATH**

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Animal Note: C O MORB: UNKNOWN

Animal Note: NO CORRESP LESION FOR CECAL DILATATION SEEN AT NECROPSY

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:04

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 455

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 8800010

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Mild
Preputial Gland		Inflammation	Chronic Active, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 11

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 455

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800011

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Thymus

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 1-14 ]			
Preputial Gland		Inflammation	Chronic Active, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2,3-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 12

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 457

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800012

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 13

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8600013

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Minimal
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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 14

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 455

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800014

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Eye [ Cataract TGLS = 1-14 ]	Lens	Cataract	Marked
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Chronic Active, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 15

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 278

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800015

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

\* Peripheral Nerve

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**OBSERVATIONS**

\* Spinal Cord

Cyst

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 16

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 273

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800016

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Degeneration	Mild
* Intestine Large, Colon	Parasite Metazoan	
* Liver		
Note: NO CORRESP LESION FOR LEFT LATERAL LOBE NODULE SEEN		
Note: AT NECROPSY		
Preputial Gland	Inflammation	Chronic, Minimal

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:04

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 273

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 8800017

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Pancreas	Inflammation	Chronic, Mild
* Prostate	Inflammation	Chronic Active, Minimal
* Urin Bladder		

Note: AT NECROPSY; THE PUTATIVE CALCULUS WAS ACTUALLY AN  
 Note: URETHRAL PLUG; URETHRAL PLUGS ARE GENERALLY ACKNOWLEDGED  
 Note: NO CORRESP LESION FOR CALCULUS OF URINARY BLADDER SEEN  
 Note: TO BE ARTIFACTUAL

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 18

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 278

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800018

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

---

**OBSERVATIONS**

\* Spinal Cord

Cyst

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 19

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 455

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800019

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Preputial Gland		Inflammation	Chronic Active, Minimal
* Spleen		Sarcoma	
[ Sarcoma TGLS = 1-14 ]			
* Stom Gland			
Note: NO CORRESP LESION FOR GLANDULAR STOMACH CHANGE SEEN AT TRIM			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 20

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 96

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800020

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 21

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800021

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 22

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800022

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 23

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 273

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800023

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Kidney	Nephropathy	Minimal
* Liver	Inflammation	Granulomatous, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 24

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 273

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800024

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Degeneration	Mild
* Intestine Large, Rectum	Parasite Metazoan	
* Kidney	Nephropathy	Minimal
Preputial Gland	Inflammation	Chronic, Minimal

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 25

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 96

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800025

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 26

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800026

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

PRIMARY CAUSE OF DEATH

-

Animal Note: NO CORRESP LESION FOR CECAL FOCUS SEEN AT NECROPSY

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 27

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 455

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800027

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Testes	Interstit Cell	Adenoma	
		Atrophy	Marked

[ Adenoma TGLS = 1-12 ]

[ Atrophy TGLS = 1-12 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03

**Test Type:** CHRONIC

**Route:** DOSED FEED

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Tricresyl phosphate

**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 21:20:04

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 28

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 457

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800028

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 29

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 273

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800029

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Degeneration	Minimal
Preputial Gland	Inflammation	Chronic, Minimal

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 30

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 96

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800030

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 31

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 457

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800031

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 32

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800032

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 33

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800033

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 34

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800034

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 35

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 457

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800035

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03

**Test Type:** CHRONIC

**Route:** DOSED FEED

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Tricresyl phosphate

**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 21:20:04

**First Dose M/F:** NA / NA

**Lab:** BAT

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**ANIMAL ID:** 36

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 96

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800036

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 37

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800037

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Minimal
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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 38	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 455
	<b>DOSE:</b> 0 PPM	<b>DISP:</b> Scheduled Sacrifice	<b>HISTO:</b> 8800038

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

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

---

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 39

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 278

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800039

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:04

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 273

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 8800040

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Degeneration	Minimal
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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 41

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 278

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800041

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 42

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800042

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Mild
* Int Lg Cecum			

Note: NO CORRESP LESION FOR FOCUS SEEN AT NECROPSY IN CECUM

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:04

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 455

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 8800043

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

- |   |                           |              |                         |
|---|---------------------------|--------------|-------------------------|
| * Int Sm Jejunum  |                           |              |                         |
| Note: NO CORRESP LESION FOR ENLARGED PEYER'S PATCH OF JEJUNUM |                           |              |                         |
| * Kidney  |                           | Nephropathy  | Minimal                 |
| * Liver   |                           |              |                         |
| Note: NO CORRESP LESION FOR LIVER FOCUS SEEN AT TRIM          |                           |              |                         |
| Preputial Gland   |                           | Inflammation | Chronic Active, Minimal |
| * Stom Gland  |                           |              |                         |
| Note: NO CORRESP LESION FOR NODULE OF GLANDULAR STOMACH SEEN  |                           |              |                         |
| * Testes  | Bilateral, Interstit Cell | Adenoma      |                         |
| [ Adenoma TGLS = 1-12 ]                                       |                           |              |                         |

PRIMARY CAUSE OF DEATH

-

Animal Note: AT TRIM

Animal Note: SEEN AT TRIM

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:04

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 273

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 8800044

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Medulla  
\* Epididymis  
\* Intestine Large, Rectum  
\* Islets, Pancreatic  
\* Lymph Node, Mesenteric  
\* Parathyroid Gland  
\* Salivary Glands  
\* Spleen  
\* Thymus

\* Bone  
\* Esophagus  
\* Intestine Small, Duodenum  
\* Liver  
\* Mammary Gland  
\* Peripheral Nerve  
\* Seminal Vesicle  
\* Stomach, Forestomach  
\* Thyroid Gland

\* Bone Marrow  
\* Intestine Large, Cecum  
\* Intestine Small, Ileum  
\* Lung  
\* Nose  
\* Pituitary Gland  
\* Skin  
\* Stomach, Glandular  
\* Trachea

\* Brain  
\* Intestine Large, Colon  
\* Intestine Small, Jejunum  
\* Lymph Node, Mandibular  
\* Pancreas  
\* Prostate  
\* Spinal Cord  
\* Testes  
\* Urinary Bladder

**OBSERVATIONS**

\* Adrenal Cortex  
\* Heart  
\* Kidney  
Preputial Gland

Hyperplasia  
Degeneration  
Nephropathy  
Inflammation

Mild  
Minimal  
Minimal  
Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03  
Test Type: CHRONIC  
Route: DOSED FEED  
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Tricresyl phosphate  
CAS Number: 1330-78-5

Date Report Requested: 10/22/2014  
Time Report Requested: 21:20:04  
First Dose M/F: NA / NA  
Lab: BAT

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 455

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 8800045

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart	Myocardium	Degeneration	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Mild
[ Inflammation TGLS = 1-14 ]			
* Pancreas	Acinus	Atrophy	Minimal
* Testes	Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			

PRIMARY CAUSE OF DEATH

-

Animal Note: NO CORRESP LESION FOR JEJUNAL ENLARG SEEN AT TRIM

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 46

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800361

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Preputial Gland

Inflammation

Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 47

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 96

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800362

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 48

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 96

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800363

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 49

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 273

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800364

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Degeneration	Minimal
* Kidney	Nephropathy	Minimal
* Prostate	Inflammation	Chronic Active, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:04

First Dose M/F: NA / NA

Lab: BAT

**ANIMAL ID:** 50

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800365

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

- \* Mammary Gland

**OBSERVATIONS**

Preputial Gland	Inflammation	Chronic, Minimal
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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 51	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 455
	<b>DOSE:</b> 75 PPM	<b>DISP:</b> Scheduled Sacrifice	<b>HISTO:</b> 8800366

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

---

**MISSING**

\* Mammary Gland

---

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Mild
* Liver			
Note: NO CORRESP LESION FOR LIVER NODULES SEEN AT NECROPSY			
* Pancreas	Acinus	Atrophy	Minimal
Preputial Gland		Inflammation	Chronic Active, Moderate
[ Inflammation TGLS = 1-14 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 52

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 273

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800367

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Degeneration	Minimal
* Kidney	Nephropathy	Minimal
Preputial Gland	Inflammation	Chronic, Minimal
* Prostate	Inflammation	Chronic Active, Minimal

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 53	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 457
	<b>DOSE:</b> 75 PPM	<b>DISP:</b> Scheduled Sacrifice	<b>HISTO:</b> 8800368

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

\* Peripheral Nerve

---

**OBSERVATIONS**

\* Spinal Cord Cyst

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 54

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 455

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800369

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 55

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800370

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:04

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 56

TRT#: 3

SEX: Male

DAY ON TEST: 455

DOSE: 75 PPM

DISP: Scheduled Sacrifice

HISTO: 8800371

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Mild
* Pancreas	Acinus	Atrophy	Minimal
Preputial Gland		Inflammation	Chronic Active, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03

**Test Type:** CHRONIC

**Route:** DOSED FEED

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Tricresyl phosphate

**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 21:20:04

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 57

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 457

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800372

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 58

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 278

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800373

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03

**Test Type:** CHRONIC

**Route:** DOSED FEED

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Tricresyl phosphate

**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 21:20:04

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 59

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 457

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800374

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 60

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 278

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800375

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 61

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 273

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800376

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Heart	Degeneration	Minimal
* Intestine Large, Colon	Parasite Metazoan	
Preputial Gland	Inflammation	Chronic, Minimal
* Prostate	Inflammation	Chronic Active, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 62

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800377

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 63

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 278

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800378

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:04

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 64

TRT#: 3

SEX: Male

DAY ON TEST: 273

DOSE: 75 PPM

DISP: Scheduled Sacrifice

HISTO: 8800379

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Epididymis
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Prostate
- \* Spinal Cord
- \* Testes
- \* Urinary Bladder

- \* Bone
- \* Esophagus
- \* Intestine Small, Duodenum
- \* Kidney
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Salivary Glands
- \* Spleen
- \* Thymus

- \* Bone Marrow
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Liver
- \* Mammary Gland
- \* Peripheral Nerve
- \* Seminal Vesicle
- \* Stomach, Forestomach
- \* Thyroid Gland

- \* Brain
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lung
- \* Nose
- \* Pituitary Gland
- \* Skin
- \* Stomach, Glandular
- \* Trachea

OBSERVATIONS

- \* Adrenal Cortex
- \* Heart
- Preputial Gland

- Hyperplasia
- Degeneration
- Inflammation

- Mild
- Minimal
- Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 65

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 96

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800380

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 66

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800381

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Preputial Gland

Inflammation

Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:04

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 67

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 75 PPM

DISP: Scheduled Sacrifice

HISTO: 8800382

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Minimal
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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 68

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 273

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800383

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Urinary Bladder

**OBSERVATIONS**

* Heart	Degeneration	Minimal
* Prostate	Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 69

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 455

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800384

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Mild
Preputial Gland		Inflammation	Chronic Active, Minimal
Skeletal Muscle		Sarcoma	
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 70

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800385

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 71

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 278

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800386

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 72

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800387

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 73

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 278

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800388

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 74

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 273

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800389

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Brain  
\* Intestine Large, Colon  
\* Intestine Small, Jejunum  
\* Lymph Node, Mandibular  
\* Pancreas  
\* Prostate  
\* Spinal Cord  
\* Testes  
\* Urinary Bladder

\* Adrenal Medulla  
\* Epididymis  
\* Intestine Large, Rectum  
\* Islets, Pancreatic  
\* Lymph Node, Mesenteric  
\* Parathyroid Gland  
\* Salivary Glands  
\* Spleen  
\* Thymus

\* Bone  
\* Esophagus  
\* Intestine Small, Duodenum  
\* Liver  
\* Mammary Gland  
\* Peripheral Nerve  
\* Seminal Vesicle  
\* Stomach, Forestomach  
\* Thyroid Gland

\* Bone Marrow  
\* Intestine Large, Cecum  
\* Intestine Small, Ileum  
\* Lung  
\* Nose  
\* Pituitary Gland  
\* Skin  
\* Stomach, Glandular  
\* Trachea

**OBSERVATIONS**

\* Heart  
\* Kidney  
Preputial Gland

Degeneration  
Nephropathy  
Inflammation

Minimal  
Minimal  
Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 75	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 455
	<b>DOSE:</b> 75 PPM	<b>DISP:</b> Scheduled Sacrifice	<b>HISTO:</b> 8800390

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

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

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**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Pancreas	Acinus	Atrophy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03

**Test Type:** CHRONIC

**Route:** DOSED FEED

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Tricresyl phosphate

**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 21:20:04

**First Dose M/F:** NA / NA

**Lab:** BAT

**ANIMAL ID:** 76

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 273

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800391

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Brain  
\* Intestine Large, Colon  
\* Intestine Small, Jejunum  
\* Lung  
\* Nose  
\* Pituitary Gland  
\* Spinal Cord  
\* Testes  
\* Urinary Bladder

\* Adrenal Medulla  
\* Epididymis  
\* Intestine Large, Rectum  
\* Islets, Pancreatic  
\* Lymph Node, Mandibular  
\* Pancreas  
\* Prostate  
\* Spleen  
\* Thymus

\* Bone  
\* Esophagus  
\* Intestine Small, Duodenum  
\* Kidney  
\* Lymph Node, Mesenteric  
\* Parathyroid Gland  
\* Salivary Glands  
\* Stomach, Forestomach  
\* Thyroid Gland

\* Bone Marrow  
\* Intestine Large, Cecum  
\* Intestine Small, Ileum  
\* Liver  
\* Mammary Gland  
\* Peripheral Nerve  
\* Seminal Vesicle  
\* Stomach, Glandular  
\* Trachea

**MISSING**

\* Skin

**OBSERVATIONS**

\* Heart  
Preputial Gland

Degeneration  
Inflammation

Minimal  
Chronic, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 77

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 96

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800392

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 78	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 455
	<b>DOSE:</b> 75 PPM	<b>DISP:</b> Scheduled Sacrifice	<b>HISTO:</b> 8800393

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Mild
Preputial Gland		Inflammation	Chronic Active, Mild
* Skin		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 1-14 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03

**Test Type:** CHRONIC

**Route:** DOSED FEED

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Tricresyl phosphate

**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 21:20:04

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 79

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 96

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800394

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:04

First Dose M/F: NA / NA

Lab: BAT

**ANIMAL ID:** 80

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800395

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Minimal
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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 81

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 273

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800396

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Degeneration	Mild
* Kidney	Nephropathy	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 82

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 457

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800397

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 83	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 273
	<b>DOSE:</b> 75 PPM	<b>DISP:</b> Scheduled Sacrifice	<b>HISTO:</b> 8800398

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**OBSERVATIONS**

* Heart	Degeneration	Minimal
Preputial Gland	Inflammation	Chronic, Minimal

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:04

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 84

TRT#: 3

SEX: Male

DAY ON TEST: 455

DOSE: 75 PPM

DISP: Scheduled Sacrifice

HISTO: 8800399

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Preputial Gland		Inflammation	Chronic Active, Minimal
* Testes	Interstitial Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urin Bladder			

Note: WHICH WAS ACTUALLY AN ARTIFACT CALLED THE URETHRAL PLUG

Note: NO CORRESP LESION FOR "CALCULUS" SEEN AT TRIM,

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 85

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 455

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800400

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 86

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 455

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800401

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Epididymis		Inflammation	Chronic Active, Minimal
Eye			
Note: NO CORRESP LESION FOR EYE OPACITY SEEN AT NECROPSY			
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	
[ Hepatodiaphragmatic Nodule TGLS = 3-15 ]			
* Testes		Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:04

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 87

TRT#: 3

SEX: Male

DAY ON TEST: 92

DOSE: 75 PPM

DISP: Scheduled Sacrifice

HISTO: 8800402

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

- |         |            |              |         |
|---------|------------|--------------|---------|
| * Heart | Myocardium | Degeneration | Minimal |
|---------|------------|--------------|---------|

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 88

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 273

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800403

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Epididymis  
\* Intestine Large, Rectum  
\* Islets, Pancreatic  
\* Lymph Node, Mandibular  
\* Parathyroid Gland  
\* Prostate  
\* Spinal Cord  
\* Testes  
\* Urinary Bladder

\* Adrenal Medulla  
\* Esophagus  
\* Intestine Small, Duodenum  
\* Kidney  
\* Lymph Node, Mesenteric  
\* Peripheral Nerve  
\* Salivary Glands  
\* Spleen  
\* Thymus

\* Bone  
\* Intestine Large, Cecum  
\* Intestine Small, Ileum  
\* Liver  
\* Mammary Gland  
\* Pituitary Gland  
\* Seminal Vesicle  
\* Stomach, Forestomach  
\* Thyroid Gland

\* Bone Marrow  
\* Intestine Large, Colon  
\* Intestine Small, Jejunum  
\* Lung  
\* Nose  
\* Preputial Gland  
\* Skin  
\* Stomach, Glandular  
\* Trachea

**MISSING**

\* Brain

**OBSERVATIONS**

* Heart	Degeneration	Minimal
* Pancreas	Inflammation	Chronic, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 89	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 455
	<b>DOSE:</b> 75 PPM	<b>DISP:</b> Scheduled Sacrifice	<b>HISTO:</b> 8800404

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

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

---

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Minimal
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 90

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 457

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800405

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 91	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 273
	<b>DOSE:</b> 150 PPM	<b>DISP:</b> Scheduled Sacrifice	<b>HISTO:</b> 8800271

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

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

---

**OBSERVATIONS**

* Heart	Degeneration	Minimal
* Prostate	Inflammation	Chronic Active, Minimal

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PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:04

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 92

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 150 PPM

DISP: Scheduled Sacrifice

HISTO: 8800272

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Minimal
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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 93

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 278

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800273

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:04

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 94

TRT#: 5

SEX: Male

DAY ON TEST: 273

DOSE: 150 PPM

DISP: Scheduled Sacrifice

HISTO: 8800274

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart	Degeneration	Minimal
* Prostate	Inflammation	Chronic Active, Minimal
* Urin Bladder		

Note: WAS ONE OF THE URETHRAL PROTEIN PLUGS OFTEN SEEN IN  
 Note: TO BE WITHIN NORMAL LIMITS  
 Note: THE "LESION" SEEN AT NECROPSY IN THE URINARY BLADDER  
 Note: MALE RATS, AND THUS THE URINARY BLADDER IS CONSIDERED

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03

**Test Type:** CHRONIC

**Route:** DOSED FEED

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Tricresyl phosphate

**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 21:20:04

**First Dose M/F:** NA / NA

**Lab:** BAT

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**ANIMAL ID:** 95

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 457

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800275

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 96	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 455
	<b>DOSE:</b> 150 PPM	<b>DISP:</b> Scheduled Sacrifice	<b>HISTO:</b> 8800276

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Prostate		Inflammation	Chronic Active, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 97	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 455
	<b>DOSE:</b> 150 PPM	<b>DISP:</b> Scheduled Sacrifice	<b>HISTO:</b> 8800277

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 98

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800278

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Testes	Seminif Tub	Atrophy	Mild
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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 99	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 455
	<b>DOSE:</b> 150 PPM	<b>DISP:</b> Scheduled Sacrifice	<b>HISTO:</b> 8800279

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

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

---

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Mild
* Int Lg Rectum			
Note: INCLUDED WITH THE RECTUM ARE SECTIONS OF PERIANAL AND			
* Kidney		Nephropathy	Mild
* Nose		Inflammation	Suppurative, Mild
Preputial Gland		Inflammation	Chronic Active, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

---

**PRIMARY CAUSE OF DEATH**

-

Animal Note: BULBOURETHRAL GLANDS

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 100

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 273

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800280

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Degeneration	Minimal
* Prostate	Inflammation	Chronic Active, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 101

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 96

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800281

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 102

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 96

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800282

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 103

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 278

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800283

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 104

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 457

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800284

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 105

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 457

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800285

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 106

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800286

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Minimal
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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 107

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 455

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800287

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
Preputial Gland		Inflammation	Chronic Active, Minimal
* Testes	Interstit Cell	Adenoma	

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 108

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 96

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800288

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 109

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800289

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 110

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 278

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800290

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:05

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 111

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 150 PPM

DISP: Scheduled Sacrifice

HISTO: 8800291

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Minimal
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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 112

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 273

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800292

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Degeneration	Mild
* Kidney	Nephropathy	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:05

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 113

TRT#: 5

SEX: Male

DAY ON TEST: 273

DOSE: 150 PPM

DISP: Scheduled Sacrifice

HISTO: 8800293

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart	Degeneration	Minimal
Preputial Gland	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 114

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800294

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:05

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 115

TRT#: 5

SEX: Male

DAY ON TEST: 92

DOSE: 150 PPM

DISP: Scheduled Sacrifice

HISTO: 8800295

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

- |  |            |              |         |
|--|------------|--------------|---------|
| * Epididymis   |            | Hypospermia  |         |
| * Heart  | Myocardium | Degeneration | Minimal |
| * Liver  |            |              |         |
| Note: LIVER SEEN AT NECROPSY                               |            |              |         |
| Note: NO CORRESP LESION FOR NODULE OF LEFT LATERAL LOBE OF |            |              |         |
| * Testes   |            | Hypospermia  |         |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 116

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 455

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800296

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Moderate
* Kidney		Nephropathy	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Chronic Active, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 117

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 278

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800297

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 118

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 455

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800298

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
Preputial Gland		Inflammation	Chronic Active, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 119

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 457

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800299

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:05

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 120

TRT#: 5

SEX: Male

DAY ON TEST: 92

DOSE: 150 PPM

DISP: Scheduled Sacrifice

HISTO: 8800300

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Minimal
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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03

**Test Type:** CHRONIC

**Route:** DOSED FEED

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Tricresyl phosphate

**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 21:20:05

**First Dose M/F:** NA / NA

**Lab:** BAT

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**ANIMAL ID:** 121

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 278

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800301

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:05

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 122

TRT#: 5

SEX: Male

DAY ON TEST: 273

DOSE: 150 PPM

DISP: Scheduled Sacrifice

HISTO: 8800302

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Brain  
\* Intestine Large, Colon  
\* Intestine Small, Jejunum  
\* Lung  
\* Nose  
  Preputial Gland  
\* Skin  
\* Stomach, Glandular  
\* Trachea

\* Adrenal Medulla  
\* Epididymis  
\* Intestine Large, Rectum  
\* Islets, Pancreatic  
\* Lymph Node, Mandibular  
\* Parathyroid Gland  
\* Prostate  
\* Spinal Cord  
\* Testes  
\* Urinary Bladder

\* Bone  
\* Esophagus  
\* Intestine Small, Duodenum  
\* Kidney  
\* Lymph Node, Mesenteric  
\* Peripheral Nerve  
\* Salivary Glands  
\* Spleen  
\* Thymus

\* Bone Marrow  
\* Intestine Large, Cecum  
\* Intestine Small, Ileum  
\* Liver  
\* Mammary Gland  
\* Pituitary Gland  
\* Seminal Vesicle  
\* Stomach, Forestomach  
\* Thyroid Gland

**OBSERVATIONS**

* Heart	Degeneration	Minimal
* Pancreas	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:05

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 123

TRT#: 5

SEX: Male

DAY ON TEST: 455

DOSE: 150 PPM

DISP: Scheduled Sacrifice

HISTO: 8800303

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart	Myocardium	Degeneration	Minimal
* Int Sm Jejunum			
Note: NO CORRESP LESION FOR ENLARGED JEJUNUM SEEN AT TRIM			
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Mild
Preputial Gland		Inflammation	Chronic Active, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: NO CORRESP LESION FOR STOMACH WHITENESS OBSERVED AT TRIM

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:05

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 124

TRT#: 5

SEX: Male

DAY ON TEST: 455

DOSE: 150 PPM

DISP: Scheduled Sacrifice

HISTO: 8800304

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Pancreas	Acinus	Atrophy	Minimal
Preputial Gland		Inflammation	Chronic Active, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 125

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 455

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800305

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
Preputial Gland		Inflammation	Chronic Active, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 126

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 457

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800306

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 127

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 273

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800307

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Degeneration	Mild
* Kidney	Nephropathy	Minimal
* Stomach, Forestomach	Cyst Epithelial Inclusion	
[ Cyst Epithelial Inclusion TGLS = 1-14 ]		

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 128

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 96

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800308

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 129

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800309

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Preputial Gland

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 130

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800310

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 131

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 273

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800311

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Degeneration	Minimal
* Kidney	Nephropathy	Minimal
Preputial Gland	Inflammation	Chronic, Minimal

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 132

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 273

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800312

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Kidney	Nephropathy	Minimal
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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03

**Test Type:** CHRONIC

**Route:** DOSED FEED

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Tricresyl phosphate

**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 21:20:05

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 133

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 96

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800313

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 134

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 455

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800314

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Minimal
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Minimal
Preputial Gland		Inflammation	Chronic Active, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:05

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 135

TRT#: 5

SEX: Male

DAY ON TEST: 273

DOSE: 150 PPM

DISP: Scheduled Sacrifice

HISTO: 8800315

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

- |                 |              |                  |
|-----------------|--------------|------------------|
| * Pancreas      | Inflammation | Chronic, Mild    |
| Preputial Gland | Inflammation | Chronic, Minimal |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 136

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800181

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:05

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 137

TRT#: 7

SEX: Male

DAY ON TEST: 273

DOSE: 300 PPM

DISP: Scheduled Sacrifice

HISTO: 8800182

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart	Degeneration	Minimal
* Liver		

Note: AT NECROPSY

Note: NO CORRESP LESION FOR MEDIAN LOBE LIVER NODULE SEEN

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 138

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 457

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800183

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 139

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800184

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:05

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 140

TRT#: 7

SEX: Male

DAY ON TEST: 273

DOSE: 300 PPM

DISP: Scheduled Sacrifice

HISTO: 8800185

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lung
- \* Nose
- \* Pituitary Gland
- \* Skin
- \* Stomach, Glandular
- \* Trachea

- \* Adrenal Medulla
- \* Epididymis
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Prostate
- \* Spinal Cord
- \* Testes
- \* Urinary Bladder

- \* Bone
- \* Esophagus
- \* Intestine Small, Duodenum
- \* Kidney
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Salivary Glands
- \* Spleen
- \* Thymus

- \* Bone Marrow
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Liver
- \* Mammary Gland
- \* Peripheral Nerve
- \* Seminal Vesicle
- \* Stomach, Forestomach
- \* Thyroid Gland

OBSERVATIONS

- \* Heart
- Preputial Gland

Degeneration  
Inflammation

Minimal  
Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 141

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 455

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800186

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Minimal
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 142

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 273

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800187

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Intestine Large, Colon	Parasite Metazoan	
* Pancreas	Inflammation	Chronic, Minimal
* Prostate	Inflammation	Chronic Active, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:05

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 143

TRT#: 7

SEX: Male

DAY ON TEST: 455

DOSE: 300 PPM

DISP: Scheduled Sacrifice

HISTO: 8800188

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart	Myocardium	Degeneration	Moderate
* Kidney		Nephropathy	Minimal
Preputial Gland		Inflammation	Chronic Active, Minimal
* Testes	Interstitial Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 144

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 457

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800189

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:05

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 145

TRT#: 7

SEX: Male

DAY ON TEST: 273

DOSE: 300 PPM

DISP: Scheduled Sacrifice

HISTO: 8800190

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Intestine Large, Cecum
- \* Intestine Small, Jejunum
- \* Lung
- \* Nose
- \* Pituitary Gland
- \* Skin
- \* Stomach, Glandular
- \* Trachea

- \* Adrenal Medulla
- \* Epididymis
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Prostate
- \* Spinal Cord
- \* Testes
- \* Urinary Bladder

- \* Bone
- \* Esophagus
- \* Intestine Small, Duodenum
- \* Kidney
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Salivary Glands
- \* Spleen
- \* Thymus

- \* Bone Marrow
- \* Heart
- \* Intestine Small, Ileum
- \* Liver
- \* Mammary Gland
- \* Peripheral Nerve
- \* Seminal Vesicle
- \* Stomach, Forestomach
- \* Thyroid Gland

OBSERVATIONS

- \* Intestine Large, Colon
- Preputial Gland

Parasite Metazoan  
Inflammation

Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:05

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 146

TRT#: 7

SEX: Male

DAY ON TEST: 273

DOSE: 300 PPM

DISP: Scheduled Sacrifice

HISTO: 8800191

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

- |         |              |         |
|---------|--------------|---------|
| * Heart | Degeneration | Minimal |
| * Skin  | Ulcer        | Mild    |

[ Ulcer TGLS = 1-14 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 147

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 278

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800192

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 148

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800193

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:05

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 149

TRT#: 7

SEX: Male

DAY ON TEST: 455

DOSE: 300 PPM

DISP: Scheduled Sacrifice

HISTO: 8800194

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Preputial Gland

OBSERVATIONS

* Heart	Myocardium	Degeneration	Moderate
* Kidney		Nephropathy	Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 150

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 96

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800195

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 151

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 96

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800196

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03

**Test Type:** CHRONIC

**Route:** DOSED FEED

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Tricresyl phosphate

**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 21:20:05

**First Dose M/F:** NA / NA

**Lab:** BAT

**ANIMAL ID:** 152

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 273

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800197

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex

\* Brain

\* Intestine Large, Colon

\* Intestine Small, Jejunum

\* Lymph Node, Mandibular

\* Parathyroid Gland

\* Prostate

\* Spinal Cord

\* Testes

\* Urinary Bladder

\* Adrenal Medulla

\* Epididymis

\* Intestine Large, Rectum

\* Islets, Pancreatic

\* Lymph Node, Mesenteric

\* Peripheral Nerve

\* Salivary Glands

\* Spleen

\* Thymus

\* Bone

\* Esophagus

\* Intestine Small, Duodenum

\* Kidney

\* Mammary Gland

\* Pituitary Gland

\* Seminal Vesicle

\* Stomach, Forestomach

\* Thyroid Gland

\* Bone Marrow

\* Intestine Large, Cecum

\* Intestine Small, Ileum

\* Lung

\* Nose

Preputial Gland

\* Skin

\* Stomach, Glandular

\* Trachea

**OBSERVATIONS**

\* Heart

\* Liver

[ Hepatodiaphragmatic Nodule TGLS = 1-14 ]

\* Pancreas

Degeneration

Hepatodiaphragmatic Nodule

Inflammation

Minimal

Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 153

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 273

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800198

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Preputial Gland

Inflammation

Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 154

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 455

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800199

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Mild
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 1-14 ]			
* Pancreas	Acinus	Atrophy	Minimal
* Prostate		Inflammation	Chronic Active, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:05

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 155

TRT#: 7

SEX: Male

DAY ON TEST: 455

DOSE: 300 PPM

DISP: Scheduled Sacrifice

HISTO: 8800200

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart	Myocardium	Degeneration	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
Preputial Gland		Inflammation	Chronic Active, Minimal
* Stom Gland			
Note: NO CORESP LESION FOR GLANDULAR STOMACH NODULE SEEN AT TRIM			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 156

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 273

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800201

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart		Degeneration	Minimal
* Intestine Large, Colon		Parasite Metazoan	
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 2-14 ]			
* Skin		Abscess	Moderate
[ Abscess TGLS = 1-14 ]			
* Testes	Seminif Tub	Atrophy	Marked
[ Atrophy TGLS = 3-12 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 157

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800202

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:05

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 158

TRT#: 7

SEX: Male

DAY ON TEST: 455

DOSE: 300 PPM

DISP: Scheduled Sacrifice

HISTO: 8800203

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Nephropathy	Mild
Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: NO CORRESP LESION FOR STOMACH NODULE SEEN AT TRIM

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 159

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 273

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800204

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Cortex	Hyperplasia	Minimal
* Heart	Degeneration	Mild
* Prostate	Inflammation	Chronic Active, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 160

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 278

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800205

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 161

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8600206

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Minimal
Preputial Gland		Inflammation	Chronic, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 162

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800207

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03

**Test Type:** CHRONIC

**Route:** DOSED FEED

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Tricresyl phosphate

**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 21:20:05

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 163

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 278

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800208

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 164

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 455

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800209

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Epididymis [ Mesothelioma Benign TGLS = 2-13 ]		Mesothelioma Benign	
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
Mesentery [ Mesothelioma Benign TGLS = 2-14 ]		Mesothelioma Benign	
* Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Chronic Active, Mild
* Testes	Bilateral, Interstit Cell Tunic	Adenoma Mesothelioma Benign	
[ Adenoma TGLS = 1-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 165

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 278

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800210

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03

**Test Type:** CHRONIC

**Route:** DOSED FEED

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Tricresyl phosphate

**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 21:20:05

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 166

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 96

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800211

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 167

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 96

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800212

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 168

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800213

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 169

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800214

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 170

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 96

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800215

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 171

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 457

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800216

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:05

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 172

TRT#: 7

SEX: Male

DAY ON TEST: 92

DOSE: 300 PPM

DISP: Scheduled Sacrifice

HISTO: 8800217

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart	Myocardium	Degeneration	Minimal
* Liver			
Note: NO CORRESP LESION FOR NODULE OF CAUDATE LOBE OF LIVER			
Note: SEEN AT NECROPSY			
Preputial Gland		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 173

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800218

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Minimal
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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 174

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 457

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800219

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 175

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 457

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800220

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 176

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 278

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800221

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 177

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 273

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800222

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Kidney	Nephropathy	Minimal
Preputial Gland	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 178

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 455

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800223

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
Preputial Gland		Adenoma	
* Testes	Interstitial Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
Tooth		Cyst	
[ Cyst TGLS = 1-14 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:05

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 179

TRT#: 7

SEX: Male

DAY ON TEST: 455

DOSE: 300 PPM

DISP: Scheduled Sacrifice

HISTO: 8800224

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
Preputial Gland		Inflammation	Chronic Active, Minimal
* Testes	Interstitial Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 180

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 455

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800225

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 181

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 273

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800091

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Heart	Degeneration	Minimal
Intestine Large, Rectum	Parasite Metazoan	
Prostate	Inflammation	Chronic Active, Minimal

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 182

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800092

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Esophagus	Lymph Node, Mesenteric
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**OBSERVATIONS**

Adrenal Cortex	Vacuolization Cytoplasmic	Minimal
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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:05

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 183

TRT#: 9

SEX: Male

DAY ON TEST: 455

DOSE: 600 PPM 23 STOP

DISP: Scheduled Sacrifice

HISTO: 8800093

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart	Myocardium	Degeneration	Mild
Kidney		Nephropathy	Mild
Preputial Gland		Inflammation	Chronic Active, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: NO CORRESP LESION FOR PALLOR OF GLNDULAR STOMACH

Animal Note: SEEN AT TRIM

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 184

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 273

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800094

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Heart	Degeneration	Minimal
Kidney	Nephropathy	Minimal

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 185

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8600095

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Adrenal Cortex	Vacuolization Cytoplasmic	Minimal
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**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 186	<b>TRT#:</b> 9	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 455
	<b>DOSE:</b> 600 PPM 23 STOP	<b>DISP:</b> Scheduled Sacrifice	<b>HISTO:</b> 8800096

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**OBSERVATIONS**

Heart	Myocardium	Degeneration	Minimal
Kidney		Nephropathy	Minimal
Pancreas	Acinus	Atrophy	Minimal
Preputial Gland		Inflammation	Chronic Active, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Thyroid Gland	C Cell	Hyperplasia	Moderate

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 187

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800097

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum
Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum	Islets, Pancreatic
Kidney	Liver	Lung	Lymph Node, Mandibular
Lymph Node, Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spinal Cord
Spleen	Stomach, Forestomach	Stomach, Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**OBSERVATIONS**

Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
Heart	Myocardium	Degeneration	Minimal
Preputial Gland		Inflammation	Chronic, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 188

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 278

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800098

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Peripheral Nerve

Spinal Cord

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 189

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 457

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800099

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Peripheral Nerve

Spinal Cord

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 190

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 96

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800100

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Peripheral Nerve

Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 191

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800101

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
Heart	Myocardium	Degeneration	Minimal
Thymus			

Note: NO CORRESP LESION FOR REDNESS OF THYMUS SEEN AT NECROPSY

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 192

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 455

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800102

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Heart	Myocardium	Degeneration	Mild
Kidney		Nephropathy	Minimal
Pancreas	Acinus	Atrophy	Minimal
Preputial Gland		Inflammation	Chronic Active, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 193

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 455

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800103

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Intestine Large, Colon		Parasite Metazoan	
Kidney		Nephropathy	Minimal
Pituitary Gland	Pars Distalis	Cyst	
Preputial Gland		Inflammation	Chronic Active, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			
Thyroid Gland	C Cell	Hyperplasia	Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 194

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 457

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800104

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Peripheral Nerve

Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 195

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 273

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800105

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Adrenal Cortex		Hyperplasia	Mild
Heart		Degeneration	Minimal
Kidney		Nephropathy	Minimal
Pituitary Gland	Pars Intermed	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 196

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 455

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800106

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Heart	Myocardium	Degeneration	Mild
Kidney		Nephropathy	Minimal
Liver		Hepatodiaphragmatic Nodule	
	[ Hepatodiaphragmatic Nodule TGLS = 1-14 ]		
Preputial Gland		Inflammation	Chronic Active, Mild
Testes	Interstitial Cell	Adenoma	
Thyroid Gland	C Cell	Hyperplasia	Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 197

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 457

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800107

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Peripheral Nerve

---

**OBSERVATIONS**

Spinal Cord

Cyst

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 198

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 96

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800108

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Peripheral Nerve

Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 199

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8600109

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Medulla  
Epididymis  
Intestine Large, Rectum  
Islets, Pancreatic  
Lymph Node, Mandibular  
Pancreas  
Preputial Gland  
Spinal Cord  
Testes  
Urinary Bladder

Bone  
Heart  
Intestine Small, Duodenum  
Kidney  
Lymph Node, Mesenteric  
Parathyroid Gland  
Salivary Glands  
Spleen  
Thymus

Bone Marrow  
Intestine Large, Cecum  
Intestine Small, Ileum  
Liver  
Mammary Gland  
Peripheral Nerve  
Seminal Vesicle  
Stomach, Forestomach  
Thyroid Gland

Brain  
Intestine Large, Colon  
Intestine Small, Jejunum  
Lung  
Nose  
Pituitary Gland  
Skin  
Stomach, Glandular  
Trachea

**MISSING**

Esophagus

**OBSERVATIONS**

Adrenal Cortex  
Prostate

Vacuolization Cytoplasmic  
Inflammation

Minimal  
Chronic Active, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 200

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 278

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800110

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Peripheral Nerve

Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 201

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8600111

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
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**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 202

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800112

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
Heart	Myocardium	Degeneration	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 203

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 273

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800113

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Heart	Degeneration	Mild
Preputial Gland	Inflammation	Chronic, Minimal

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 204

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 457

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800114

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Peripheral Nerve

Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 205

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 96

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800115

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Peripheral Nerve

Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 206

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 273

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800116

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Epididymis		Aspermia	Marked
Heart		Degeneration	Mild
Testes	Seminif Tub	Atrophy	Marked
[ Atrophy TGLS = 1-12 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 207

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 278

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800117

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Peripheral Nerve

Spinal Cord

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 208

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8600118

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Adrenal Cortex	Vacuolization Cytoplasmic	Minimal
Preputial Gland	Inflammation	Chronic, Minimal

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 209

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 273

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800119

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Heart	Degeneration	Minimal
Preputial Gland	Inflammation	Chronic, Minimal

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 210

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 455

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800120

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Heart	Myocardium	Degeneration	Mild
Kidney		Nephropathy	Mild
Preputial GI			
Note: GLAND SEEN AT NECROPSY			
Note: NO CORRESP LESION FOR RED PIGMENT OF PREPUTIAL			
Testes	Bilateral, Interstit Cell	Adenoma	
Thyroid Gland	C Cell	Hyperplasia	Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 211

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 455

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800121

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Lymph Node, Mandibular	Mammary Gland
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**OBSERVATIONS**

Heart	Myocardium	Degeneration	Minimal
Kidney		Nephropathy	Minimal
Preputial Gland		Inflammation	Chronic Active, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 212

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 278

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800122

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Peripheral Nerve

Spinal Cord

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 213

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 273

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800123

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Kidney	Nephropathy	Minimal
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**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 214

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 273

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800124

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Heart		Degeneration	Minimal
Intestine Large, Colon		Parasite Metazoan	
Kidney		Nephropathy	Minimal
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 1-14 ]			
Preputial Gland		Inflammation	Chronic, Minimal
Prostate		Inflammation	Chronic Active, Minimal
Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 215

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 273

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800125

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Skin

**OBSERVATIONS**

Lymph Node, Mandibular	Leukemia Mononuclear	
Pancreas	Inflammation	Chronic, Minimal
Prostate	Inflammation	Chronic Active, Mild
Spleen	Leukemia Mononuclear	

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 216

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 96

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800126

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Peripheral Nerve

Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 217

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 278

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800127

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Peripheral Nerve

Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 218

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 273

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800128

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Heart	Degeneration	Minimal
Kidney	Nephropathy	Minimal
Preputial Gland	Inflammation	Chronic, Minimal

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 219

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 457

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800129

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Peripheral Nerve

Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 220

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800130

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
Heart	Myocardium	Degeneration	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 221

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 455

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800131

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Heart	Myocardium	Degeneration	Minimal
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Minimal
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Preputial Gland		Inflammation	Chronic Active, Minimal
Prostate		Inflammation	Chronic Active, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 222

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 455

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800132

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Heart	Myocardium	Degeneration	Mild
Kidney		Nephropathy	Minimal
Mesentery	Fat	Necrosis	Marked
[ Necrosis TGLS = 1-14 ]			
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Preputial Gland		Inflammation	Chronic Active, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 223

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800133

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
Prostate		Inflammation	Chronic Active, Mild

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 224

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 455

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800134

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Adrenal Medulla		Hyperplasia	Moderate
Kidney		Nephropathy	Minimal
Liver		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Preputial Gland		Inflammation	Chronic Active, Minimal
Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1-1 ]			
Testes	Bilateral, Interstit Cell	Adenoma	
	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			
[ Adenoma TGLS = 2-12 ]			
Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 225

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 96

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800135

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Peripheral Nerve

Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:05

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 481

TRT#: 1

SEX: Male

DAY ON TEST: 478

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 8800481

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Eye

Note: NO CORRESP LESION FOR EYE OPACITY SEEN AT NECROPSY

* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Mild
* Pancreas	Acinus	Atrophy	Mild
* Testes	Interstit Cell	Adenoma	
[ Adenoma TGLS = 3-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Zymbal's Gland		Carcinoma	

Note: A LESION OF THE SKIN OF THE HEAD

Note: ZYMBAL'S GLAND LESION WAS IDENTIFIED AT NECROPSY AS

[ Carcinoma TGLS = 2-14 ]

PRIMARY CAUSE OF DEATH -

Animal Note: C OF MORB: ZYMBAL'S GLAND CARCINOMA

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:05

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 482

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 8800482

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- \* Mammary Gland

OBSERVATIONS

- |                   |                           |                    |          |
|-------------------|---------------------------|--------------------|----------|
| * Adrenal Medulla |                           | Hyperplasia        | Minimal  |
| * Heart           | Myocardium                | Degeneration       | Mild     |
| * Kidney          |                           | Nephropathy        | Moderate |
| * Skin            |                           | Basal Cell Adenoma |          |
| * Testes          | Bilateral, Interstit Cell | Adenoma            |          |

[ Adenoma TGLS = 1-12 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 483

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800483

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Preputial Gland

**OBSERVATIONS**

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Leukemia Mononuclear	
	Atrium	Thrombosis	
[ Thrombosis TGLS = 1-4 ]			
* Intestine Small, Ileum	Venule	Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 484

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800484

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Medulla		Hyperplasia	Mild
* Heart	Myocardium	Degeneration	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 2-4 ]			
* Lung		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Mild
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1-14 ]			
* Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 485

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800485

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

* Adrenal Cortex	* Adrenal Medulla	* Liver	* Spleen
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**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Chronic, Mild
[ Inflammation TGLS = 1-12 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Thyroid Gland	C Cell	Adenoma	

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 486

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800486

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Medulla [ Hyperplasia TGLS = 4-7 ]		Hyperplasia	Moderate
Eye [ Cataract TGLS = 5-15 ]	Lens	Cataract	Marked
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver [ Leukemia Mononuclear TGLS = 3-4 ]		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Minimal
Preputial Gland		Inflammation	Chronic, Moderate
* Spleen [ Leukemia Mononuclear TGLS = 2-14 ]		Leukemia Mononuclear	
* Testes [ Adenoma TGLS = 1-12 ]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:05

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 487

TRT#: 1

SEX: Male

DAY ON TEST: 592

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 8800487

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
Eye			
Note: NO CORRESP LESION FOR EYE OPACITY SEEN AT NECROPSY			
* Heart	Myocardium	Degeneration	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 5-17 ]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 4-16 ]			
* Pancreas	Acinus	Atrophy	Minimal
Preputial Gland		Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 2-15 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 3-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 487

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 592

**DOSE:** 0 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800487

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Animal Note: C O MORB: MONONUCLEAR CELL LEUKEMIA

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 488

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 647

**DOSE:** 0 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800488

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 5-5 ]			
* Heart	Myocardium	Degeneration	Mild
* Kidney		Leukemia Mononuclear	
		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3-4 ]			
* Lung		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
[ Adenoma TGLS = 4-7 ]			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1-14 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

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Animal Note: C O MORB: MONONUCLEAR CELL LEUKEMIA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 489

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800489

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	

[ Adenoma TGLS = 1-12 ]

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:05

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 490

TRT#: 1

SEX: Male

DAY ON TEST: 725

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 8800490

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Brain		Astrocytoma Benign	
Eye		Inflammation	Chronic, Moderate
[ Inflammation TGLS = 3-14 ]			
* Heart	Myocardium	Degeneration	Moderate
	Atrium	Dilatation	Marked
[ Dilatation TGLS = 1-4 ]			
* Kidney		Nephropathy	Mild
* Pancreas	Acinus	Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB:ASTROCYTOMA OF BRAIN

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 491

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 572

**DOSE:** 0 PPM

**DISP:** Natural Death

**HISTO:** 8800491

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Moderate
		Mesothelioma Malignant	Metastatic (Lung)
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Necrosis	Minimal
	[ Necrosis TGLS = 4-14 ]		
* Lung		Mesothelioma Malignant	
Preputial GI			
	Note: NO CORRESP LESION FOR GREEN NODULE OF LEFT PREPUTIAL		
	Note: GLAND SEEN AT NECROPSY		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[ Adenoma TGLS = 3-12 ]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal
		Mesothelioma Malignant	Metastatic (Lung)

**PRIMARY CAUSE OF DEATH** -

Animal Note: C O DEATH: PULMONARY MALIGNANT MESOTHELIOMA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 492

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800492

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Medulla		Hyperplasia	Mild
* Heart	Myocardium	Degeneration	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
[ Eosinophilic Focus TGLS = 4-4 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 1-7 ]			
Preputial Gland		Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Spleen		Fibrosis	Mild
[ Fibrosis TGLS = 3-14 ]			
* Testes	Interstitial Cell	Adenoma	
[ Adenoma TGLS = 5-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 493

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800493

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Medulla		Pheochromocytoma Benign	
Eye	Lens	Cataract	Mild
[ Cataract TGLS = 3-14 ]			
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
Preputial GI			
Note: PREPUTIAL GLAND SEEN AT NECROPSY			
Note: NO COORESP LESION FOR GREEN DISCOLRATON OF LEFT			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 494

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800494

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Skin		Fibroma	
[ Fibroma TGLS = 3-14 ]			
* Spleen		Fibrosis	Mild
[ Fibrosis TGLS = 2-1 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 495

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800495

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Medulla		Ganglioneuroma	
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
[ Eosinophilic Focus TGLS = 2-4 ]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 1-7 ]			
* Skin	Subcut Tiss	Fibrosarcoma	
[ Fibrosarcoma TGLS = 4-14 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 3-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:05

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 496

TRT#: 1

SEX: Male

DAY ON TEST: 690

DOSE: 0 PPM

DISP: Natural Death

HISTO: 8800496

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spinal Cord	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 2-4 ]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 4,5,6-2+6+7 ]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 4,5,6-2+6+7 ]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 4,5,6-2+6+7 ]		
Preputial Gland		Inflammation	Chronic, Mild
	[ Inflammation TGLS = 7-12 ]		
* Spleen		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 3-14 ]		
* Stom Forestom			
	Note: NO CORRESP LESION FOR FORESTOMACH LESION SEEN AT TRIM		
* Stomach, Glandular		Ulcer	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 496

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 690

**DOSE:** 0 PPM

**DISP:** Natural Death

**HISTO:** 8800496

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Adenoma TGLS = 1-12 ]

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PRIMARY CAUSE OF DEATH

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Animal Note: C O DEATH: MONONUCLEAR CELL LEUKEMIA

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 497

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800497

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart	Myocardium	Degeneration	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Moderate
* Liver		Eosinophilic Focus	
Mesentery		Schwannoma Malignant	
Note: MESENTERIC AND A PANCREATIC MASS			
Note: MESENTERIC SCHWANNOMA WAS DESCRIBED AT NECROPSY AS A			
[ Schwannoma Malignant TGLS = 1,2-6+14 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Testes	Interstit Cell	Adenoma	
[ Adenoma TGLS = 3-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 498

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800498

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Degeneration	Cystic, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Preputial Gland		Inflammation	Chronic, Mild
[ Inflammation TGLS = 1-12 ]			
* Spleen		Congestion	Moderate
[ Congestion TGLS = 2-14 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 3-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:05

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 499

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 8800499

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Medulla		Hyperplasia	Moderate
* Heart	Myocardium	Degeneration	Mild
	Intima	Hyperplasia	Moderate
* Kidney		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
Preputial Gland		Inflammation	Chronic, Mild
[ Inflammation TGLS = 3-12 ]			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1-14 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 500

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800500

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Moderate
* Kidney		Nephropathy	Mild
* Lung		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
Preputial GI			
Note: NO CORRESP LESION FOR GREEN DISCOLORATION OF LEFT			
Note: PREPUTIAL GLAND SEEN AT NECROPSY			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3-14 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 501

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800501

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Mild
* Lung		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Mild
Preputial Gland		Inflammation	Chronic, Mild
[ Inflammation TGLS = 1-12 ]			
* Spleen		Leukemia Mononuclear	
* Testes	Interstitial Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 502

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 0 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800502

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Medulla		Hyperplasia	Mild
* Brain	Hypothalamus	Compression	
* Kidney		Nephropathy	Mild
* Liver		Fatty Change	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-7 ]			
* Skin	Dermis	Mineralization	Mild
[ Mineralization TGLS = 1-14 ]			
* Stomach, Forestomach		Ulcer	Mild
[ Ulcer TGLS = 3-15 ]			
* Testes	Interstitial Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

Animal Note: C O MORB: PITUITARY ADENOMA

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:05

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 503

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 8800503

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart	Myocardium	Degeneration	Moderate
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Marked
[ Nephropathy TGLS = 5-1 ]			
* Liver		Degeneration	Cystic, Minimal
* Lung		Alveolar/Bronchiolar Carcinoma	
		Inflammation	Chronic, Minimal
[ Alveolar/Bronchiolar Carcinoma TGLS = 6-15 ]			
Preputial Gland		Inflammation	Chronic, Moderate
* Skin		Basosquamous Tumor Benign	
		Keratoacanthoma	
[ Basosquamous Tumor Benign TGLS = 2-16 ]			
[ Keratoacanthoma TGLS = 1-17 ]			
* Spleen		Fibrosis	Mild
[ Fibrosis TGLS = 4-14 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 3-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 504

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800504

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Mild
* Pancreas	Acinus	Atrophy	Mild
Preputial Gland		Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Thyroid Gland	C Cell	Adenoma	
[ Adenoma TGLS = 3-7 ]			

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 505

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800505

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Marked
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Degeneration	Cystic, Mild
		Eosinophilic Focus	
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 1-14 ]			
* Pancreas	Acinus	Atrophy	Mild
Preputial GI			
Note: GLAND SEEN AT NECROPSY			
Note: NO CORRESP LESION FOR DISCOLORATION OF PREPUTIAL			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 2-15 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 3-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 506

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 701

**DOSE:** 0 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800506

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Mild
	Atrium	Thrombosis	
* Kidney		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 5-4 ]		
* Lung		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin	Subcut Tiss	Fibrous Histiocytoma	
	[ Fibrous Histiocytoma TGLS = 2-15 ]	Keratoacanthoma	
	[ Keratoacanthoma TGLS = 1-14 ]		
* Spleen		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 4-16 ]		
* Stomach, Glandular		Ulcer	Mild
	[ Ulcer TGLS = 6-17 ]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[ Adenoma TGLS = 3-12 ]		
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 506

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 701

**DOSE:** 0 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800506

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Animal Note: C O MORB: MONONUCLEAR CELL LEUKEMIA; ATRIAL THROMBUS

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 507

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800507

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart	Myocardium	Degeneration	Moderate
* Kidney		Nephropathy	Mild
* Liver		Hepatodiaphragmatic Nodule	
[ Hepatodiaphragmatic Nodule TGLS = 2-14 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Thyroid Gland	C Cell	Adenoma	

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 508

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800508

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Mild
* Pituitary Gland		Cyst	
[ Cyst TGLS = 3-7 ]			
Preputial Gland		Inflammation	Chronic, Mild
[ Inflammation TGLS = 1-12 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:05

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 509

TRT#: 1

SEX: Male

DAY ON TEST: 701

DOSE: 0 PPM

DISP: Natural Death

HISTO: 8800509

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | * Bone                   | * Bone Marrow              |
| * Epididymis              | * Esophagus                 | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Lymph Node, Mesenteric    | * Mammary Gland          | * Nose                     |
| * Pancreas                | * Parathyroid Gland         | * Peripheral Nerve       | Preputial Gland            |
| * Prostate                | * Salivary Glands           | * Seminal Vesicle        | * Skin                     |
| * Spinal Cord             | * Stomach, Glandular        | * Thymus                 | * Thyroid Gland            |
| * Trachea                 | * Urinary Bladder           |                          |                            |

MISSING

- \* Lymph Node, Mandibular

OBSERVATIONS

- |                                      |                           |                      |          |
|--------------------------------------|---------------------------|----------------------|----------|
| * Brain                              |                           | Leukemia Mononuclear |          |
| [ Leukemia Mononuclear TGLS = 4-5 ]  |                           |                      |          |
| * Heart                              | Myocardium                | Degeneration         | Mild     |
|                                      |                           | Leukemia Mononuclear |          |
| * Kidney                             |                           | Leukemia Mononuclear |          |
|                                      |                           | Nephropathy          | Mild     |
| * Liver                              |                           | Leukemia Mononuclear |          |
| * Lung                               |                           | Leukemia Mononuclear |          |
| * Pituitary Gland                    |                           | Leukemia Mononuclear |          |
| * Spleen                             |                           | Leukemia Mononuclear |          |
| [ Leukemia Mononuclear TGLS = 1-14 ] |                           |                      |          |
| * Stomach, Forestomach               |                           | Ulcer                | Moderate |
| [ Ulcer TGLS = 5-15 ]                |                           |                      |          |
| * Testes                             | Bilateral, Interstit Cell | Adenoma              |          |
| [ Adenoma TGLS = 2,3-12 ]            |                           |                      |          |

PRIMARY CAUSE OF DEATH

-

Animal Note: C O DEATH: MONONUCLEAR CELL LEUKEMIA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 510

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800510

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Cortex		Adenoma	
* Heart	Myocardium	Degeneration	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:05

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 511

TRT#: 1

SEX: Male

DAY ON TEST: 722

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 8800511

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Leukemia Mononuclear	
Note: NO CORRESP LESION FOR ENLARGED ATRIA SEEN AT NECROPSY			
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 2-4 ]			
* Lung		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1-14 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 4-12+13 ]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: FOUND AT TRIM

Animal Note: NO CORRESP LESION FOR BROWN/BLACK FOCI OF STOMACH

Animal Note: C O MORB: MONONUCLEAR CELL LEUKEMIA

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:05

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 512

TRT#: 1

SEX: Male

DAY ON TEST: 625

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 8800512

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart	Myocardium	Degeneration	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 3-4 ]		
* Lung		Inflammation	Chronic, Mild
	[ Inflammation TGLS = 4-14 ]	Leukemia Mononuclear	
* Nose	Nares	Hemorrhage	Mild
* Spleen		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 2-15 ]		
* Testes	Interstitial Cell	Adenoma	
	[ Adenoma TGLS = 1-12 ]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: MONONUCLEAR CELL LEUKEMIA

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:05

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 513

TRT#: 1

SEX: Male

DAY ON TEST: 486

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 8800513

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Eye

Note: NO CORRESP LESION FOR EYE OPACITY SEEN AT NECROPSY

* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 4,5-4 ]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 6-14 ]		
* Spleen		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 3-1 ]		
* Testes	Interstitial Cell	Hyperplasia	Mild
	[ Hyperplasia TGLS = 2-12 ]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: MONONUCLEAR CELL LEUKEMIA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 514

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800514

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Kidney Preputial GI Note: NO CORRESP LESION FOR PREPUTIAL GLAND DISCOLORATION Note: AT NECROPSY		Nephropathy	Mild
* Testes [ Adenoma TGLS = 2-12 ]	Bilateral, Interstit Cell	Adenoma	

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:05

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 515

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 8800515

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart	Myocardium	Degeneration	Moderate
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Degeneration	Cystic, Minimal
* Pituitary Gland			
Note: GLAND SEEN AT NECROPSY			
Note: NO CORRESP LESION FOR PUNCTATE FOCUS OF PITUITARY			
Preputial Gland			
Note: SEEN AT NECROPSY			
Note: NO CORRESPONDING LESION FOR PREPUTIAL GLAND DISCOLORATION			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:05

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 516

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 8800516

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 517

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 647

**DOSE:** 0 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800517

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 6-15 ]			
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 5-4 ]			
* Lung		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 2-16 ]			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1-14 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 3,4-12 ]			
* Thyroid Gland	C Cell	Adenoma	

**PRIMARY CAUSE OF DEATH**

-

Animal Note: C O MORB: MONONUCLEAR CELL LEUKEMIA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 518

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800518

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Medulla	Bilateral	Pheochromocytoma Complex	
* Heart	Myocardium	Degeneration	Moderate
* Intestine Large, Rectum		Parasite Metazoan	
* Pancreas	Acinus	Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 519

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800519

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	[ Hepatodiaphragmatic Nodule TGLS = 2-14 ]		
* Pancreas	Acinus	Atrophy	Moderate
Preputial Gland		Adenoma	
	[ Adenoma TGLS = 1-12 ]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[ Adenoma TGLS = 3-12 ]		
* Thyroid Gland	C Cell	Hyperplasia	Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 520

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800520

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Medulla		Hyperplasia	Mild
* Intestine Small, Jejunum [ Mast Cell Tumor Benign TGLS = 2-14 ]		Mast Cell Tumor Benign	
* Kidney		Nephropathy	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
* Pancreas	Acinus	Atrophy	Minimal
* Stom Gland Note: STOMACH, GLANDULAR MASS			
* Stomach, Forestomach Note: FORESTOMACH MASS WAS IDENTIFIED AT NECROPSY AS [ Squamous Cell Papilloma TGLS = 3-15 ]		Squamous Cell Papilloma	
* Testes [ Adenoma TGLS = 1-12 ]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Adenoma	

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 521

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 500

**DOSE:** 0 PPM

**DISP:** Natural Death

**HISTO:** 8800521

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

* Lymph Node, Mandibular	* Parathyroid Gland
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**OBSERVATIONS**

* Brain		Leukemia Mononuclear	
* Heart	Myocardium	Degeneration	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
		[ Hepatodiaphragmatic Nodule TGLS = 3-15 ]	
		[ Leukemia Mononuclear TGLS = 4-4+15 ]	
* Lung		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Minimal
* Spleen		Leukemia Mononuclear	
		[ Leukemia Mononuclear TGLS = 2-14 ]	
* Testes	Interstit Cell	Adenoma	
		[ Adenoma TGLS = 1-12 ]	
* Thyroid Gland	C Cell	Hyperplasia	Moderate

**PRIMARY CAUSE OF DEATH**

-

Animal Note: C O DEATH: MONONUCLEAR CELL LEUKEMIA

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:05

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 522

TRT#: 1

SEX: Male

DAY ON TEST: 683

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 8800522

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

- |                 |  |                            |          |
|-----------------|--|----------------------------|----------|
| * Brain         |  | Granular Cell Tumor Benign |          |
| * Heart         | Myocardium                                 | Degeneration               | Mild     |
| * Kidney        |  | Nephropathy                | Moderate |
| * Liver         |  | Hepatodiaphragmatic Nodule |          |
|                 | [ Hepatodiaphragmatic Nodule TGLS = 2-14 ] |                            |          |
| * Testes        | Bilateral, Interstit Cell                  | Adenoma                    |          |
|                 | [ Adenoma TGLS = 1-10 ]                    |                            |          |
| * Thyroid Gland | Bilateral, C Cell                          | Adenoma                    |          |

PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: GRANULAR CELL TUMOR OF BRAIN

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:05

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 523

TRT#: 1

SEX: Male

DAY ON TEST: 680

DOSE: 0 PPM

DISP: Natural Death

HISTO: 8800523

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Peripheral Nerve	* Pituitary Gland
Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Parathyroid Gland
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AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Brain		Leukemia Mononuclear	
* Heart	Myocardium	Degeneration	Mild
* Liver		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 4-4 ]	Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 5-2+3 ]		
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 3,6-15+16 ]		
	[ Leukemia Mononuclear TGLS = 3,6-15+16 ]		
* Spinal Cord		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 2-14 ]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[ Adenoma TGLS = 1-12 ]		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 523

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 680

**DOSE:** 0 PPM

**DISP:** Natural Death

**HISTO:** 8800523

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Animal Note: C O DEATH: MONONUCLEAR CELL LEUKEMIA

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 524

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800524

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Mild
Eye [ Cataract TGLS = 1-14 ]	Lens	Cataract	Marked
* Heart	Myocardium	Degeneration	Minimal
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Lung		Inflammation	Chronic, Minimal
* Testes [ Adenoma TGLS = 2-12 ]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 525

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800525

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Medulla		Pheochromocytoma Malignant	
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Mild
* Pancreas	Acinus	Atrophy	Minimal
Preputial Gland		Inflammation	Chronic, Mild
[ Inflammation TGLS = 1-12 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:05

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 526

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 8800526

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Leukemia Mononuclear Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 5-4 ]			
* Lung		Leukemia Mononuclear	
* Nose		Inflammation	Suppurative, Mild
* Pancreas	Acinus	Atrophy	Mild
* Skin		Squamous Cell Carcinoma	
[ Squamous Cell Carcinoma TGLS = 1-14 ]			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3-15 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: NO CORRESP LESION FOR ENLARGED ADRENAL GLANDS

Animal Note: SEEN AT NECROPSY

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:05

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 527

TRT#: 1

SEX: Male

DAY ON TEST: 673

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 8800527

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

- |                                      |                           |                      |      |
|--------------------------------------|---------------------------|----------------------|------|
| * Adrenal Medulla                    |                           | Leukemia Mononuclear |      |
| * Kidney                             |                           | Nephropathy          | Mild |
| * Liver                              |                           | Leukemia Mononuclear |      |
| [ Leukemia Mononuclear TGLS = 2-4 ]  |                           |                      |      |
| * Lung                               |                           | Leukemia Mononuclear |      |
| Lymph Node                           | Mediastinal               | Leukemia Mononuclear |      |
| [ Leukemia Mononuclear TGLS = 4-15 ] |                           |                      |      |
| * Spleen                             |                           | Leukemia Mononuclear |      |
| [ Leukemia Mononuclear TGLS = 1-14 ] |                           |                      |      |
| * Testes                             | Bilateral, Interstit Cell | Adenoma              |      |
| [ Adenoma TGLS = 3-12 ]              |                           |                      |      |
| * Thyroid Gland                      | C Cell                    | Hyperplasia          | Mild |

PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: MONONUCLEAR CELL LEUKEMIA

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:05

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 528

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 8800528

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart	Myocardium	Degeneration	Minimal
* Islets, Pancreatic		Adenoma	
[ Adenoma TGLS = 1-14 ]			
* Kidney		Nephropathy	Minimal
* Pancreas	Acinus	Atrophy	Mild
* Prostate			
Note: PROSTATE SEEN AT NECROPSY			
Note: NO CORRESP LESION FOR YELLOW DISCOLORATION OF			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03  
Test Type: CHRONIC  
Route: DOSED FEED  
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Tricresyl phosphate  
CAS Number: 1330-78-5

Date Report Requested: 10/22/2014  
Time Report Requested: 21:20:05  
First Dose M/F: NA / NA  
Lab: BAT

ANIMAL ID: 529

TRT#: 1

SEX: Male

DAY ON TEST: 702

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 8800529

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Mild
* Pancreas	Acinus	Atrophy	Mild
* Skin	Subcut Tiss	Schwannoma Malignant	
	[ Schwannoma Malignant TGLS = 3-5+14 ]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[ Adenoma TGLS = 1,2-12 ]		
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: MALIGNANT SCHWANNOMA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 530

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 558

**DOSE:** 0 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800530

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Minimal
* Heart	Myocardium	Degeneration	Moderate
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Moderate
Preputial Gland		Adenoma	
[ Adenoma TGLS = 1-14 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

Animal Note: C O MORB: PREPUTIAL GLAND ADENOMA

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:05

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 531

TRT#: 3

SEX: Male

DAY ON TEST: 590

DOSE: 75 PPM

DISP: Natural Death

HISTO: 8800881

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Bone                    | * Bone Marrow               | * Brain                  | * Epididymis               |
| * Esophagus               | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Lymph Node, Mesenteric    | * Mammary Gland          | * Nose                     |
| * Peripheral Nerve        | * Pituitary Gland           | Preputial Gland          | * Prostate                 |
| * Salivary Glands         | * Seminal Vesicle           | * Skin                   | * Spinal Cord              |
| * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                 | * Trachea                  |
| * Urinary Bladder         |                             |                          |                            |

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |                                       |                           |                      |        |
|---------------------------------------|---------------------------|----------------------|--------|
| * Adrenal Cortex                      |                           | Leukemia Mononuclear |        |
| * Adrenal Medulla                     |                           | Leukemia Mononuclear |        |
| Eye                                   | Lens                      | Cataract             | Marked |
| [ Cataract TGLS = 1-14 ]              |                           |                      |        |
| * Kidney                              |                           | Leukemia Mononuclear |        |
|                                       |                           | Nephropathy          | Mild   |
| * Liver                               |                           | Leukemia Mononuclear |        |
| [ Leukemia Mononuclear TGLS = 5,6-4 ] |                           |                      |        |
| * Lung                                |                           | Leukemia Mononuclear |        |
| * Lymph Node, Mandibular              |                           | Leukemia Mononuclear |        |
| [ Leukemia Mononuclear TGLS = 2-7 ]   |                           |                      |        |
| * Pancreas                            | Acinus                    | Atrophy              | Mild   |
| * Spleen                              |                           | Leukemia Mononuclear |        |
| [ Leukemia Mononuclear TGLS = 4-15 ]  |                           |                      |        |
| * Testes                              | Bilateral, Interstit Cell | Adenoma              |        |
| [ Adenoma TGLS = 3-12 ]               |                           |                      |        |
| * Thyroid Gland                       | C Cell                    | Adenoma              |        |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 531

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 590

**DOSE:** 75 PPM

**DISP:** Natural Death

**HISTO:** 8800881

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Animal Note: C O DEATH: MONONUCLEAR CELL LEUKEMIA

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 532

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 537

**DOSE:** 75 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800882

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Minimal
* Kidney		Infarct	Mild
		Leukemia Mononuclear	
		Nephropathy	Minimal
	[ Infarct TGLS = 4-1+14 ]		
* Liver		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 3-4 ]		
* Lung		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Preputial Gland		Inflammation	Chronic, Moderate
	[ Inflammation TGLS = 1-12 ]		
* Spleen		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 2-15 ]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

Animal Note: C O MORB: MONONUCLEAR CELL LEUKEMIA

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03  
Test Type: CHRONIC  
Route: DOSED FEED  
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Tricresyl phosphate  
CAS Number: 1330-78-5

Date Report Requested: 10/22/2014  
Time Report Requested: 21:20:05  
First Dose M/F: NA / NA  
Lab: BAT

ANIMAL ID: 533

TRT#: 3

SEX: Male

DAY ON TEST: 614

DOSE: 75 PPM

DISP: Moribund Sacrifice

HISTO: 8800883

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
Mesentery	Fat	Necrosis	Marked
[ Necrosis TGLS = 4-15 ]			
Preputial Gland		Adenoma	
Note: THE PREPUTIAL GLAND LESION WAS IDENTIFIED AT NECROPSY			
Note: AS A PENILE LESION			
[ Adenoma TGLS = 1-14 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2,3-12 ]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: PREPUTIAL GLAND ADENOMA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 534

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 75 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800884

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Moderate
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 3-15 ]			
* Pancreas	Acinus	Atrophy	Minimal
Preputial Gland		Hyperplasia	Mild
* Spleen		Fibrosis	Moderate
[ Fibrosis TGLS = 1-14 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:05

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 535

TRT#: 3

SEX: Male

DAY ON TEST: 691

DOSE: 75 PPM

DISP: Moribund Sacrifice

HISTO: 8800885

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart	Myocardium	Degeneration	Mild
* Kidney		Leukemia Mononuclear Nephropathy	Mild
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Mild
* Spleen		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 1-14 ]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[ Adenoma TGLS = 2-12 ]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: MONONUCLEAR CELL LEUKEMIA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 536

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 75 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800886

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:05

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 537

TRT#: 3

SEX: Male

DAY ON TEST: 586

DOSE: 75 PPM

DISP: Moribund Sacrifice

HISTO: 8800887

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 4-4 ]			
* Lung		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Minimal
* Spleen		Infarct	Mild
		Leukemia Mononuclear	
[ Infarct TGLS = 3-14 ]			
[ Leukemia Mononuclear TGLS = 2-14 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

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Animal Note: C O MORB: MONONUCLEAR CELL LEUKEMIA

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:05

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 538

TRT#: 3

SEX: Male

DAY ON TEST: 662

DOSE: 75 PPM

DISP: Moribund Sacrifice

HISTO: 8800888

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Bone                   | * Bone Marrow              | * Epididymis              | * Esophagus                 |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lymph Node, Mandibular    |
| * Lymph Node, Mesenteric | * Nose                     | * Pancreas                | * Parathyroid Gland         |
| * Peripheral Nerve       | * Pituitary Gland          | Preputial Gland           | * Prostate                  |
| * Salivary Glands        | * Seminal Vesicle          | * Skin                    | * Spinal Cord               |
| * Stomach, Forestomach   | * Stomach, Glandular       | * Thymus                  | * Trachea                   |
| * Urinary Bladder        |                            |                           |                             |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |                   |  |                      |          |
|-------------------|--|----------------------|----------|
| * Adrenal Cortex  |  | Hyperplasia          | Moderate |
|                   |  | Leukemia Mononuclear |          |
| * Adrenal Medulla |  | Leukemia Mononuclear |          |
| * Brain           |  | Leukemia Mononuclear |          |
| * Heart           |  | Leukemia Mononuclear |          |
| * Kidney          |  | Leukemia Mononuclear |          |
|                   |  | Nephropathy          | Minimal  |
| * Liver           |  | Hyperplasia          | Moderate |
|                   |  | Leukemia Mononuclear |          |
|                   | [ Hyperplasia TGLS = 6-15 ]              |                      |          |
|                   | [ Leukemia Mononuclear TGLS = 4,5-4+15 ] |                      |          |
| * Lung            |  | Leukemia Mononuclear |          |
| * Spleen          |  | Leukemia Mononuclear |          |
|                   | [ Leukemia Mononuclear TGLS = 2,3-14 ]   |                      |          |
| * Testes          | Interstit Cell                           | Adenoma              |          |
|                   | [ Adenoma TGLS = 1-12 ]                  |                      |          |
| * Thyroid Gland   | C Cell                                   | Hyperplasia          | Marked   |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03

**Test Type:** CHRONIC

**Route:** DOSED FEED

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Tricresyl phosphate

**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 21:20:05

**First Dose M/F:** NA / NA

**Lab:** BAT

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**ANIMAL ID:** 538

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 662

**DOSE:** 75 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800888

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Animal Note: C O MORB: MONONUCLEAR CELL LEUKEMIA

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 539

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 635

**DOSE:** 75 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800889

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Minimal
* Brain		Leukemia Mononuclear	
* Heart	Myocardium	Degeneration	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 5,6-4+14 ]		
* Lung		Leukemia Mononuclear	
Preputial GI			
	Note: CYST SEEN AT NECROPSY		
	Note: NO CORRESP LESION FOR BILATERAL PREPUTIAL GLAND		
* Spleen		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 2-15 ]		
* Stomach, Glandular		Ulcer	Moderate
	[ Ulcer TGLS = 7-6+16 ]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[ Adenoma TGLS = 3-12 ]		
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Urinary Bladder		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 4-6 ]		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03

**Test Type:** CHRONIC

**Route:** DOSED FEED

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Tricresyl phosphate

**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 21:20:05

**First Dose M/F:** NA / NA

**Lab:** BAT

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**ANIMAL ID:** 539

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 635

**DOSE:** 75 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800889

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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Animal Note: C O MORB: MONONUCLEAR CELL LEUKEMIA

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 540	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 75 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 8800890

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Mild
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Chronic, Moderate
[ Inflammation TGLS = 1-12 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 541

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 75 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800891

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium Artery	Degeneration Inflammation Parasite Metazoan	Moderate Chronic, Moderate
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney [ Nephropathy TGLS = 3-1 ]		Nephropathy	Marked
* Liver Note: NO CORRESP LESION FOR GRANULAR APPEARANCE OF LIVER Note: SEEN AT NECROPSY			
* Lung		Inflammation	Chronic, Mild
* Pituitary Gland [ Adenoma TGLS = 4-7 ]	Pars Distalis	Adenoma	
* Spleen [ Hyperplasia TGLS = 1-14 ]		Hyperplasia	Lymphoid, Mild
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 542

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 75 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800892

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
Preputial Gland		Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Thyroid Gland	C Cell	Carcinoma	
[ Carcinoma TGLS = 3-7 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 543

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 75 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800893

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Medulla		Hyperplasia	Marked
* Heart	Myocardium	Degeneration	Moderate
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Pancreas	Acinus	Atrophy	Mild
Preputial Gland		Inflammation	Chronic, Moderate
Note: PREPUTIAL GLAND LESION WAS IDENTIFIED AT NECROPSY AS			
Note: A SKIN LESION			
[ Inflammation TGLS = 1,2-12+14 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 3-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 544

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 75 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800894

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Moderate
* Liver		Eosinophilic Focus	
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 3-14 ]			
* Pancreas	Acinus	Atrophy	Minimal
Preputial Gland		Inflammation	Chronic, Minimal
[ Inflammation TGLS = 1-12 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 545

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 75 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800895

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Mild
* Heart	Myocardium	Degeneration	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
Preputial GI			
Note: NO CORRESP LESION FOR PREPUTIAL GLAND DISCOLORATION			
Note: SEEN AT NECROPSY			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 546

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 75 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800896

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Moderate
* Kidney		Nephropathy	Mild
* Lung		Inflammation	Chronic, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Chronic, Mild
[ Inflammation TGLS = 2-12 ]			
* Spleen		Fibrosis	Moderate
[ Fibrosis TGLS = 3-14 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:05

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 547

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO: 8800897

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
Eye	Lens	Cataract	Marked
[ Cataract TGLS = 1-14 ]			
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Mild
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 3-15 ]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 548

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 690

**DOSE:** 75 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800898

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Cortex		Adenoma	
* Brain	Hypothalamus	Compression	
* Heart	Myocardium	Degeneration	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 4-4 ]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 6,7,8-2+6+7 ]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 6,7,8-2+6+7 ]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 6,7,8-2+6+7 ]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1-7 ]			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 5-14 ]			
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 548	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 690
	<b>DOSE:</b> 75 PPM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 8800898

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Adenoma TGLS = 2-12 ]

[ Atrophy TGLS = 3-12 ]

\* Thyroid Gland

C Cell

Hyperplasia

Moderate

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PRIMARY CAUSE OF DEATH

-

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Animal Note: C O MORB: MONONUCLEAR CELL LEUKEMIA

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 549

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 75 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800899

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Cortex		Adenoma	
* Heart	Myocardium	Degeneration	Moderate
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Minimal
* Pancreas	Acinus	Atrophy	Mild
Preputial Gland		Inflammation	Chronic, Mild
[ Inflammation TGLS = 1-12 ]			
* Testes	Seminif Tub	Atrophy	Marked
[ Atrophy TGLS = 2-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 550

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 75 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800900

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Minimal
* Islets, Pancreatic		Carcinoma	
[ Carcinoma TGLS = 2-14 ]			
* Kidney		Nephropathy	Mild
* Lymph Node, Mesenteric		Inflammation	Granulomatous, Moderate
* Skin		Inflammation	Chronic, Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 551

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 75 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800901

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Mild
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
[ Hepatodiaphragmatic Nodule TGLS = 2-14 ]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:06

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 552

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO: 8800902

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 2-4 ]		
* Lung		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 3-15 ]		
* Pancreas	Acinus	Atrophy	Mild
Preputial Gland		Inflammation	Chronic, Mild
	[ Inflammation TGLS = 5-12 ]		
* Spleen		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 1-14 ]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[ Adenoma TGLS = 4-12 ]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03  
Test Type: CHRONIC  
Route: DOSED FEED  
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Tricresyl phosphate  
CAS Number: 1330-78-5

Date Report Requested: 10/22/2014  
Time Report Requested: 21:20:06  
First Dose M/F: NA / NA  
Lab: BAT

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ANIMAL ID: 553	TRT#: 3 DOSE: 75 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO: 8800903
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ORGAN AND ACCOUNTABLE SITE STATUS

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NORMAL

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

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OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Moderate
* Liver		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1-14 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03  
Test Type: CHRONIC  
Route: DOSED FEED  
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Tricresyl phosphate  
CAS Number: 1330-78-5

Date Report Requested: 10/22/2014  
Time Report Requested: 21:20:06  
First Dose M/F: NA / NA  
Lab: BAT

ANIMAL ID: 554

TRT#: 3

SEX: Male

DAY ON TEST: 640

DOSE: 75 PPM

DISP: Natural Death

HISTO: 8800904

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Brain		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1-5 ]			
* Heart	Myocardium	Degeneration	Moderate
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 2-2 ]			
* Pancreas	Acinus	Atrophy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 3-12 ]			

PRIMARY CAUSE OF DEATH

-

Animal Note: C O DEATH: MONONUCLEAR CELL LEUKEMIA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 555

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 75 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800905

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Minimal
* Brain		Hydrocephalus	Moderate
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Mild
* Pituitary Gland		Cyst	
* Testes	Bilateral, Interstit Cell	Adenoma	

**PRIMARY CAUSE OF DEATH**

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Animal Note: C O MORB:HYDROCEPHALUS

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 556

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 702

**DOSE:** 75 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800906

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Heart	Myocardium	Degeneration	Moderate
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 7,10-4+17 ]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 4,5,6,8,9-7+15+16+18 ]			
[ Leukemia Mononuclear TGLS = 4,5,6,8,9-7+15+16+18 ]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 4,5,6,8,9-7+15+16+18 ]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 4,5,6,8,9-7+15+16+18 ]			
* Pancreas	Acinus	Atrophy	Mild
* Peripheral Nerve		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1-14 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 556	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 702
	<b>DOSE:</b> 75 PPM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 8800906

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Adenoma TGLS = 2,3-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

---

PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: MONONUCLEAR CELL LEUKEMIA

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 557

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 75 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800907

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Mixed Cell Focus	
Note: (TGL #5) SEEN AT TRIM Note: NO CORRESP LESION FOR FOCUS OF LEFT LATERAL LOBE [ Eosinophilic Focus TGLS = 1-14 ] [ Mixed Cell Focus TGLS = 2-15 ]			
* Pituitary Gland	Pars Distalis	Degeneration	Focal, Mild
Preputial Gland		Inflammation	Chronic, Mild
		[ Inflammation TGLS = 4-12 ]	
* Testes	Bilateral, Interstit Cell	Adenoma	
		[ Adenoma TGLS = 3-12 ]	
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:06

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 558

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO: 8800908

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

- |                         |                           |             |          |
|-------------------------|---------------------------|-------------|----------|
| * Adrenal Medulla       |                           | Hyperplasia | Moderate |
| * Kidney                |                           | Nephropathy | Mild     |
| * Pituitary Gland       | Pars Distalis             | Adenoma     |          |
|                         |                           | Cyst        |          |
| * Testes                | Bilateral, Interstit Cell | Adenoma     |          |
| [ Adenoma TGLS = 1-12 ] |                           |             |          |
| * Thyroid Gland         | C Cell                    | Hyperplasia | Mild     |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 559

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 75 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800909

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1-14 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 560

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 75 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800910

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Mild
Note: NO CORRESP LESION FOR ENLARGED HEART SEEN AT TRIM			
* Kidney		Nephropathy	Mild
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 3-14 ]			
* Nose		Inflammation	Suppurative, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Inflammation	Chronic, Minimal
Preputial Gland		Adenoma	
[ Adenoma TGLS = 5-12 ]			
* Skin			
Note: NO TISSUE WAS TAKEN FOR RAISED, BROWN SKIN LESION			
Note: TRIM ARE THE SAME LESION			
Note: SKIN LESION AND THE PREPUTIAL GLAND LESION SEEN AT			
Note: SEEN AT NECROPSY; IT IS STRONGLY SUSPECTED THAT THIS			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 561

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 701

**DOSE:** 75 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800911

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Minimal
* Kidney		Leukemia Mononuclear Nephropathy	Mild
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 2-4 ]			
* Lung		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 6-2+3 ]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 7-16 ]			
* Pancreas	Acinus	Atrophy	Moderate
* Peripheral Nerve		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
* Skin	Subcut Tiss	Fibroma	
[ Fibroma TGLS = 5-15 ]			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1-14 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 3,4-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Urinary Bladder		Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: MONONUCLEAR CELL LEUKEMIA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 561

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 701

**DOSE:** 75 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800911

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 562

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 75 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800912

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
Note: SEEN AT NECROPSY			
Note: NO CORRESP LESION FOR GRANULAR APPEARANCE OF LIVER			
* Pancreas	Acinus	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
[ Hematopoietic Cell Proliferation TGLS = 1-14 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Thyroid Gland	Follicle	Dilatation	Moderate
	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 563	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> 75 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 8800913

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 3-7 ]			
Preputial Gland		Inflammation	Chronic, Mild
[ Inflammation TGLS = 1-12 ]			
* Testes	Interstitial Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03  
Test Type: CHRONIC  
Route: DOSED FEED  
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Tricresyl phosphate  
CAS Number: 1330-78-5

Date Report Requested: 10/22/2014  
Time Report Requested: 21:20:06  
First Dose M/F: NA / NA  
Lab: BAT

ANIMAL ID: 564

TRT#: 3

SEX: Male

DAY ON TEST: 648

DOSE: 75 PPM

DISP: Moribund Sacrifice

HISTO: 8800914

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Malignant	
[ Pheochromocytoma Malignant TGLS = 3-14 ]			
Eye	Lens	Cataract	Mild
[ Cataract TGLS = 1-15 ]			
* Heart	Myocardium	Degeneration	Moderate
* Kidney		Nephropathy	Mild
Mesentery		Inflammation	Chronic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: MALIGNANT PHEOCHROMOCYTOMA, ADRENAL GL MEDULLA

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 565

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 75 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800915

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Mild
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
[ Eosinophilic Focus TGLS = 3-4 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 4-7 ]			
Preputial Gland		Carcinoma	
[ Carcinoma TGLS = 1-14 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 566

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 455

**DOSE:** 75 PPM

**DISP:** Natural Death

**HISTO:** 8800916

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Cortex		Leukemia Mononuclear	
* Brain		Infarct	Moderate
* Heart	Myocardium	Leukemia Mononuclear Degeneration	Mild
* Kidney		Leukemia Mononuclear Leukemia Mononuclear Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule Leukemia Mononuclear	
[ Hepatodiaphragmatic Nodule TGLS = 2-15 ]			
* Lung		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Minimal
* Peripheral Nerve	Axon	Degeneration	Minimal
* Pituitary Gland		Leukemia Mononuclear	
Preputial Gland		Leukemia Mononuclear	
* Spleen		Inflammation	Chronic, Minimal
[ Leukemia Mononuclear TGLS = 1-14 ]			
* Testes	Interstitial Cell	Adenoma	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03

**Test Type:** CHRONIC

**Route:** DOSED FEED

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Tricresyl phosphate

**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 21:20:06

**First Dose M/F:** NA / NA

**Lab:** BAT

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**ANIMAL ID:** 566

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 455

**DOSE:** 75 PPM

**DISP:** Natural Death

**HISTO:** 8800916

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Animal Note: C O DEATH: MONONUCLEAR CELL LEUKEMIA

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 567

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 263

**DOSE:** 75 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800917

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Intestine Large, Colon

**OBSERVATIONS**

Preputial GI

Note: NO CORRESP LESION FOR PREPUTIAL GLAND MASS SEEN AT NECROPSY

* Prostate	Abscess	Marked
[ Abscess TGLS = 2-13 ]		
* Seminal Vesicle	Inflammation	Chronic, Mild
[ Inflammation TGLS = 3-12 ]		
* Skin	Ulcer	Marked
[ Ulcer TGLS = 4,5-15+16 ]		

PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: ULCERS OF FORELIMBS, ABSCESS OF PROSTATE

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 568

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 75 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800918

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
	[ Hepatodiaphragmatic Nodule TGLS = 2-4 ]	Hepatodiaphragmatic Nodule	
* Lung		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Testes	Interstitial Cell	Adenoma	
	[ Adenoma TGLS = 1-12 ]		
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:06

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 569

TRT#: 3

SEX: Male

DAY ON TEST: 611

DOSE: 75 PPM

DISP: Moribund Sacrifice

HISTO: 8800919

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 4-4 ]		
* Lung		Leukemia Mononuclear	
Preputial Gland		Inflammation	Chronic, Mild
	[ Inflammation TGLS = 5-12 ]		
* Spleen		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 3-14 ]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[ Adenoma TGLS = 1,2-12 ]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: MONONUCLEAR CELL LEUKEMIA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 570

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 614

**DOSE:** 75 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800920

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Minimal
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Mild
* Liver		Fatty Change	Mild
Note: SEEN AT NECROPSY			
Note: NO CORRESP LESION FOR FOCUS OF RIGHT ANTERIOR LIVER LOBE			
[ Fatty Change TGLS = 5-14 ]			
* Mammary Gland		Fibroadenoma	
Note: THE MAMMARY GLAND LESION WAS IDENTIFIED AT NECROPSY			
Note: AS A SKIN LESION			
[ Fibroadenoma TGLS = 2-16+17 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Chronic, Mild
[ Inflammation TGLS = 1-12 ]			
* Spleen		Infarct	Mild
[ Infarct TGLS = 4-15 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 3,8-12 ]			
* Thyroid Gland	Bilateral, C Cell Follicle	Adenoma Dilatation	Moderate
[ Dilatation TGLS = 7-7 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03

**Test Type:** CHRONIC

**Route:** DOSED FEED

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Tricresyl phosphate

**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 21:20:06

**First Dose M/F:** NA / NA

**Lab:** BAT

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**ANIMAL ID:** 570

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 614

**DOSE:** 75 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800920

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: MAMMARY FIBROADENOMA

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 571

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 699

**DOSE:** 75 PPM

**DISP:** Natural Death

**HISTO:** 8800921

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spinal Cord	* Stomach, Forestomach	* Thyroid Gland
* Urinary Bladder			

**MISSING**

* Esophagus	* Trachea
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**AUTO PRECLUDES DIAG.**

* Intestine Small, Ileum	* Intestine Small, Jejunum
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**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Minimal
* Kidney		Leukemia Mononuclear Nephropathy	Moderate
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 4-4 ]			
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical Mediastinal	Leukemia Mononuclear Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1,2,9,10-6+7+15+16 ]			
[ Leukemia Mononuclear TGLS = 1,2,9,10-6+7+15+16 ]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1,2,9,10-6+7+15+16 ]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1,2,9,10-6+7+15+16 ]			
* Pituitary Gland		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3-1+14 ]			
* Stomach, Glandular		Ulcer	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 571

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 699

**DOSE:** 75 PPM

**DISP:** Natural Death

**HISTO:** 8800921

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Ulcer TGLS = 11-6 ]

\* Testes

Bilateral, Interstit Cell

Adenoma

[ Adenoma TGLS = 5,6-12 ]

\* Thymus

Leukemia Mononuclear

[ Leukemia Mononuclear TGLS = 7-15 ]

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PRIMARY CAUSE OF DEATH

-

Animal Note: C O DEATH: MONONUCLEAR CELL LEUKEMIA

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 572

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 498

**DOSE:** 75 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800922

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Intestine Large, Rectum

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Mammary Gland		Fibroadenoma	
Note: AS A SKIN LESION			
Note: THE MAMMARY GLAND FIBROADENOMA WAS IDENTIFIED AT NECROPSY			
[ Fibroadenoma TGLS = 1-15 ]			
Skel Muscle			
Note: NO CORRESP LESION FOR DIAPHRAGMATIC HERNIA NOTED AT NECR			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			

**PRIMARY CAUSE OF DEATH**

-

Animal Note: C O MORB: FIBROADENOMA OF MAMMARY GLAND

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 573

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 75 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800923

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Minimal
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Mild
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 1-14 ]			
* Pancreas	Acinus	Atrophy	Minimal
Preputial Gland		Inflammation	Chronic, Mild
[ Inflammation TGLS = 3-12 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 574

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 75 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800924

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Moderate
	[ Nephropathy TGLS = 2-1 ]		
* Liver		Basophilic Focus	
	[ Hepatocellular Adenoma TGLS = 3-14 ]	Hepatocellular Adenoma	
* Pancreas	Acinus	Hyperplasia	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
	[ Adenoma TGLS = 1-12 ]		
* Thyroid Gland	C Cell	Adenoma	

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:06

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 575

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO: 8800925

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Moderate
* Lung		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
[ Adenoma TGLS = 1-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 576

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 75 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800926

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Mild
* Nose		Inflammation	Suppurative, Mild
Preputial Gland		Inflammation	Chronic, Mild
[ Inflammation TGLS = 1-12 ]			
* Spleen			
Note: NO CORRESP LESION FOR SPLENIC ENLARGEMENT SEEN AT NECROPSY			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 3-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 577

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 75 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800927

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Mild
* Heart	Myocardium	Degeneration	Mild
* Intestine Small, Jejunum		Leukemia Mononuclear	
		Ulcer	Marked
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
		Leukemia Mononuclear	
* Liver			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Minimal
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 578

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 75 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800928

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

* Lymph Node, Mesenteric	* Thymus
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**OBSERVATIONS**

* Adrenal Medulla [ Pheochromocytoma Benign TGLS = 5-7 ]		Pheochromocytoma Benign	
* Kidney [ Nephropathy TGLS = 2-1 ]		Nephropathy	Marked
Mesentery [ Necrosis TGLS = 4-14 ]	Fat	Necrosis	Mild
* Skin [ Abscess TGLS = 1-15 ]		Abscess	Moderate
* Testes [ Adenoma TGLS = 3-12 ]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	Follicle C Cell	Dilatation Hyperplasia	Moderate Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 579

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 652

**DOSE:** 75 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800929

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Peripheral Nerve	Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

**MISSING**

\* Thymus

**OBSERVATIONS**

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart	Myocardium	Degeneration	Minimal
		Leukemia Mononuclear	
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Hyperplasia	Mild
		Leukemia Mononuclear	
		[ Hyperplasia TGLS = 5-14 ]	
		[ Leukemia Mononuclear TGLS = 4-4 ]	
* Lung		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
		[ Leukemia Mononuclear TGLS = 3-15 ]	
* Testes	Bilateral, Interstit Cell	Adenoma	
		[ Adenoma TGLS = 2-12 ]	
* Thyroid Gland	Bilateral, C Cell	Adenoma	

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 579

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 652

**DOSE:** 75 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800929

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Animal Note: C O MORB: MONONUCLEAR CELL LEUKEMIA

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:06

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 580

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO: 8800930

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Preputial Gland	* Thymus
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OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
[ Pheochromocytoma Benign TGLS = 8-7 ]			
* Heart	Myocardium	Degeneration	Mild
	Atrium	Thrombosis	
[ Thrombosis TGLS = 1-4 ]			
* Kidney		Nephropathy	Moderate
[ Nephropathy TGLS = 5-1 ]			
* Liver		Hepatodiaphragmatic Nodule	
[ Hepatodiaphragmatic Nodule TGLS = 3-15 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
Preputial GI			
Note: NO SECTION OF PREPUTIAL GLAND MADE BECAUSE TISSUE WAS			
Note: MISSING AT TRIM			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 4-12 ]			
* Thyroid Gland	C Cell	Adenoma	
[ Adenoma TGLS = 6-7 ]			
Zymbal's Gland		Carcinoma	
[ Carcinoma TGLS = 7-14 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 580

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 75 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800930

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:06

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 581

TRT#: 5

SEX: Male

DAY ON TEST: 701

DOSE: 150 PPM

DISP: Natural Death

HISTO: 8800781

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                          |                             |
|--------------------------|----------------------------|--------------------------|-----------------------------|
| * Adrenal Medulla        | * Bone                     | * Bone Marrow            | * Brain                     |
| * Epididymis             | * Esophagus                | * Intestine Large, Colon | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic     | * Lung                      |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Nose                   | * Pancreas                  |
| * Parathyroid Gland      | * Peripheral Nerve         | * Pituitary Gland        | * Prostate                  |
| * Salivary Glands        | * Seminal Vesicle          | * Skin                   | * Spinal Cord               |
| * Stomach, Forestomach   | * Stomach, Glandular       | * Thymus                 | * Thyroid Gland             |
| * Trachea                | * Urinary Bladder          |                          |                             |

MISSING

- |                          |                           |                 |                 |
|--------------------------|---------------------------|-----------------|-----------------|
| * Intestine Large, Cecum | * Intestine Large, Rectum | * Mammary Gland | Preputial Gland |
|--------------------------|---------------------------|-----------------|-----------------|

OBSERVATIONS

- |                  |                           |  |                 |
|------------------|---------------------------|--|-----------------|
| * Adrenal Cortex |                           | Adenoma  |                 |
| * Heart          | Myocardium                | Degeneration                                     | Moderate        |
|                  | Atrium                    | Thrombosis                                       |                 |
| * Kidney         |                           | Nephropathy                                      | Mild            |
| * Liver          |                           | Degeneration                                     | Cystic, Minimal |
|                  |                           | Hepatodiaphragmatic Nodule                       |                 |
|                  |                           | Necrosis   | Mild            |
|                  |                           | [ Hepatodiaphragmatic Nodule TGLS = 3-15 ]       |                 |
| * Spleen         |                           | Hematopoietic Cell Proliferation                 | Marked          |
|                  |                           | [ Hematopoietic Cell Proliferation TGLS = 2-14 ] |                 |
| * Testes         | Bilateral, Interstit Cell | Adenoma  |                 |
|                  |                           | [ Adenoma TGLS = 1-12 ]                          |                 |

PRIMARY CAUSE OF DEATH

-

Animal Note: C O DEATH: ATRIAL THROMBUS

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:06

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 582

TRT#: 5

SEX: Male

DAY ON TEST: 553

DOSE: 150 PPM

DISP: Natural Death

HISTO: 8800782

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Bone                     | * Bone Marrow             | * Epididymis                | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric |
| * Mammary Gland            | * Nose                    | * Pancreas                  | * Parathyroid Gland      |
| * Peripheral Nerve         | * Pituitary Gland         | Preputial Gland             | * Prostate               |
| * Salivary Glands          | * Seminal Vesicle         | * Skin                      | * Spinal Cord            |
| * Stomach, Forestomach     | * Stomach, Glandular      | * Thymus                    | * Thyroid Gland          |
| * Urinary Bladder          |                           |                             |                          |

MISSING

- |             |           |
|-------------|-----------|
| * Esophagus | * Trachea |
|-------------|-----------|

OBSERVATIONS

- |                   |                |  |         |
|-------------------|----------------|--|---------|
| * Adrenal Cortex  |                | Leukemia Mononuclear                   |         |
| * Adrenal Medulla |                | Leukemia Mononuclear                   |         |
| * Brain           |                | Leukemia Mononuclear                   |         |
| * Heart           | Myocardium     | Degeneration                           | Mild    |
|                   |                | Leukemia Mononuclear                   |         |
| * Kidney          |                | Leukemia Mononuclear                   |         |
|                   |                | Nephropathy                            | Minimal |
| * Liver           |                | Leukemia Mononuclear                   |         |
|                   |                | [ Leukemia Mononuclear TGLS = 1-4 ]    |         |
| * Lung            |                | Leukemia Mononuclear                   |         |
| * Spleen          |                | Leukemia Mononuclear                   |         |
|                   |                | [ Leukemia Mononuclear TGLS = 2,3-14 ] |         |
| * Testes          | Interstit Cell | Adenoma                                |         |

PRIMARY CAUSE OF DEATH

-

Animal Note: C O DEATH: MONONUCLEAR CELL LEUKEMIA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 583

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 150 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800783

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-7 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 584

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 624

**DOSE:** 150 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800784

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Pancreas	Acinus	Atrophy	Mild
* Skin	Subcut Tiss	Sarcoma	
	[ Sarcoma TGLS = 3-14 ]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 2-1 ]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[ Adenoma TGLS = 1-12 ]		
* Thyroid Gland	C Cell	Hyperplasia	Moderate

**PRIMARY CAUSE OF DEATH**

-

Animal Note: C OF MORB: SUBCUTANEOUS TISSUE SARCOMA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 585

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 150 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800785

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Kidney		Nephropathy	Minimal
* Pancreas	Acinus	Atrophy	Minimal
Preputial Gland		Inflammation	Chronic, Moderate
[ Inflammation TGLS = 1-12 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:06

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 586

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 150 PPM

DISP: Terminal Sacrifice

HISTO: 8800786

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

\* Thymus

OBSERVATIONS

* Heart	Myocardium	Degeneration	Minimal
* Pancreas	Acinus	Atrophy	Mild
Preputial Gland		Adenoma	
[ Adenoma TGLS = 1-14 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 587

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 150 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800787

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 588

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 150 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800788

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
		Hepatodiaphragmatic Nodule	
	[ Hepatodiaphragmatic Nodule TGLS = 3-14 ]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[ Adenoma TGLS = 5-7 ]		
Preputial Gland		Inflammation	Chronic, Mild
	[ Inflammation TGLS = 1-12 ]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[ Adenoma TGLS = 2-12 ]		
* Thyroid Gland	C Cell	Hyperplasia	Mild
Tongue	Epithelium	Hyperplasia	Mild
	[ Hyperplasia TGLS = 4-15 ]		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:06

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 589

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 150 PPM

DISP: Terminal Sacrifice

HISTO: 8800789

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

- |                          |                           |                         |               |
|--------------------------|---------------------------|-------------------------|---------------|
| * Adrenal Medulla        | Bilateral                 | Pheochromocytoma Benign |               |
| * Heart                  | Myocardium                | Degeneration            | Moderate      |
| * Intestine Large, Colon |                           | Parasite Metazoan       |               |
| * Kidney                 |                           | Nephropathy             | Mild          |
| * Lung                   |                           | Inflammation            | Chronic, Mild |
| * Testes                 | Bilateral, Interstit Cell | Adenoma                 |               |

[ Adenoma TGLS = 1-12 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 590

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 150 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800790

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[ Hyperplasia TGLS = 1-7 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Thyroid Gland	C Cell	Adenoma	

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 591

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 150 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800791

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Epididymis		Mesothelioma Malignant	
[ Mesothelioma Malignant TGLS = 2-13 ]			
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
Mesentery		Mesothelioma Malignant	
[ Mesothelioma Malignant TGLS = 4-6+14 ]			
* Pancreas	Acinus	Atrophy	Mild
* Seminal Vesicle		Mesothelioma Malignant	
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-12+15 ]		Mesothelioma Malignant	
[ Mesothelioma Malignant TGLS = 3-12+15 ]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 592

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 150 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800792

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Medulla		Pheochromocytoma Benign	
[ Pheochromocytoma Benign TGLS = 2-7 ]			
* Heart	Myocardium	Degeneration	Marked
* Kidney		Nephropathy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:06

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 593

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 150 PPM

DISP: Terminal Sacrifice

HISTO: 8800793

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Nose		Inflammation	Suppurative, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Spleen		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 2-14 ]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[ Adenoma TGLS = 1-12 ]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03  
Test Type: CHRONIC  
Route: DOSED FEED  
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Tricresyl phosphate  
CAS Number: 1330-78-5

Date Report Requested: 10/22/2014  
Time Report Requested: 21:20:06  
First Dose M/F: NA / NA  
Lab: BAT

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ANIMAL ID: 594	TRT#: 5	SEX: Male	DAY ON TEST: 730
	DOSE: 150 PPM	DISP: Terminal Sacrifice	HISTO: 8800794

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ORGAN AND ACCOUNTABLE SITE STATUS

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NORMAL

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

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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart	Myocardium	Degeneration	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-7 ]			
* Testes	Interstitial Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Thyroid Gland	C Cell	Adenoma	

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 595

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 488

**DOSE:** 150 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800795

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Mild
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild
Zymbal's Gland		Carcinoma	

[ Carcinoma TGLS = 1-14 ]

**PRIMARY CAUSE OF DEATH** -

Animal Note: C O MORB: ZYMBAL'S GLAND CARCINOMA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 596

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 150 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800796

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGSL = 1-4 ]			
* Lung		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Mild
Preputial Gland		Inflammation	Chronic, Mild
[ Inflammation TGSL = 3-12 ]			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGSL = 2-14 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGSL = 4-12 ]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 597

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 454

**DOSE:** 150 PPM

**DISP:** Natural Death

**HISTO:** 8800797

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Intestine Small, Jejunum

**AUTO PRECLUDES DIAG.**

\* Intestine Small, Ileum

**OBSERVATIONS**

* Brain	Hypothalamus	Compression	
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Mammary Gland		Hyperplasia	Cystic, Moderate
Note: THE MAMMARY GLAND LESION WAS DESCRIBED AT NECROPSY AS			
Note: [ ECTASIA ] TGLs = 1-15			
Note: A SKIN LESION			
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 3-14 ]			
* Nose		Inflammation	Suppurative, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 4-7 ]			
Preputial Gland		Inflammation	Chronic, Mild
[ Inflammation TGLS = 2-12 ]			
* Prostate		Inflammation	Chronic, Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 597

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 454

**DOSE:** 150 PPM

**DISP:** Natural Death

**HISTO:** 8800797

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

-

Animal Note: C O DEATH: PITUITARY ADENOMA

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 598

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 150 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800798

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney		Nephropathy	Minimal
* Liver		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
		Necrosis	Minimal
[ Degeneration TGLS = 4-16 ]			
[ Eosinophilic Focus TGLS = 1,4,5-4+14+16 ]			
[ Necrosis TGLS = 3-15 ]			
* Lung		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Chronic, Mild
[ Inflammation TGLS = 2-12 ]			
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 599

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 150 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800799

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Mild
	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
Preputial GI			
Note: PREPUTIAL GLANDS SEEN AT NECROPSY			
Note: NO CORRESP LESION FOR GREEN DISCOLORATION OF			
* Testes	Bilateral, Interstit Cell	Adenoma	
	[ Adenoma TGLS = 2-12 ]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 600

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 150 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800800

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 601

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 150 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800801

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 1-14 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 602

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 529

**DOSE:** 150 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800802

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Thymus

**OBSERVATIONS**

* Brain	Hypothalamus	Compression	
* Heart	Myocardium	Degeneration	Moderate
* Int Lg Cecum			
Note: NO CORRESP LESION FOR DARK PIGMENT OF CECUM SEEN AT NECR			
* Kidney		Nephropathy	Moderate
* Liver		Fatty Change	Moderate
[ Fatty Change TGLS = 1-4 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 5-7 ]			
* Stom Gland			
Note: THE LESIONS DESCRIBED AT NECROPSY AS GLANDULAR STOMACH LESIONS WERE ACTUALLY FORESTOMACH LESIONS.			
* Stomach, Forestomach		Ulcer	Marked
[ Ulcer TGLS = 3,4,6,7,8-6+14+15 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: PITUITARY ADENOMA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 603

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 150 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800803

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
[ Clear Cell Focus TGLS = 1-14 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[ Hyperplasia TGLS = 4-7 ]			
Preputial Gland		Inflammation	Chronic, Mild
[ Inflammation TGLS = 3-12 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 604

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 150 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800804

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 1-14 ]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[ Hyperplasia TGLS = 3-7 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 605

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 150 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800805

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
Preputial Gland		Inflammation	Chronic, Moderate
[ Inflammation TGLS = 1-12 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Thyroid Gland	C Cell	Adenoma	

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 606

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 638

**DOSE:** 150 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800806

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Thymus

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 6-4+16 ]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 2,3-2+5+7+15 ]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 2,3-2+5+7+15 ]		
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[ Adenoma TGLS = 5-7 ]		
* Spleen		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 1-14 ]		
* Testes	Interstit Cell	Adenoma	
	[ Adenoma TGLS = 4-12 ]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 606

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 638

**DOSE:** 150 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800806

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: MONONUCLEAR CELL LEUKEMIA

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 607

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 722

**DOSE:** 150 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800807

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 5-4 ]			
* Lung		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Preputial Gland		Inflammation	Chronic, Mild
[ Inflammation TGLS = 1-15 ]			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 2-14 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 3,4-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

Animal Note: C O MORB: MONONUCLEAR CELL LEUKEMIA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 608

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 614

**DOSE:** 150 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800808

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Brain		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 7-5+7 ]			
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Hyperplasia	Mild
		Leukemia Mononuclear	
[ Hyperplasia TGLS = 6-16 ]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3,7,8-6+7+14 ]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3,7,8-6+7+14 ]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3,7,8-6+7+14 ]			
* Pancreas	Acinus	Atrophy	Mild
* Spinal Cord		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 2,3,4-14+15 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1,5-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 608

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 614

**DOSE:** 150 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800808

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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Animal Note: NECROPSY AS A SPLENIC NODULE

Animal Note: C O MORB: MONONUCLEAR CELL LEUKEMIA

Animal Note: THE LESION OF THE PANCREATIC LYMPH NODE WAS DESCRIBED AT

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 609

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 722

**DOSE:** 150 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800809

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Thymus	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Heart	Myocardium	Degeneration	Mild
	Atrium	Thrombosis	
	[ Thrombosis TGLS = 4-4 ]		
* Islets, Pancreatic		Adenoma	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 7-4 ]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 5-2 ]		
Mesentery	Fat	Necrosis	Moderate
	[ Necrosis TGLS = 1-14 ]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 6-16 ]		
* Stomach, Glandular		Ulcer	Moderate
	[ Ulcer TGLS = 8-17 ]		
* Testes	Interstitial Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 609	<b>TRT#:</b> 5 <b>DOSE:</b> 150 PPM	<b>SEX:</b> Male <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 722 <b>HISTO:</b> 8800809
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Adenoma TGLS = 2-12 ] [ Atrophy TGLS = 3-12 ] * Thyroid Gland	Seminif Tub  C Cell	Atrophy  Hyperplasia	Marked  Mild
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PRIMARY CAUSE OF DEATH

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Animal Note: C O MORB: MONONUCLEAR CELL LEUKEMIA

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 610

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 150 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800810

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart	Myocardium	Degeneration	Mild
		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
* Liver		Hyperplasia	Marked
		Leukemia Mononuclear	
		[ Hyperplasia TGLS = 4-15 ]	
		[ Leukemia Mononuclear TGLS = 2-4+15 ]	
* Lung		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Mild
* Spleen		Leukemia Mononuclear	
		[ Leukemia Mononuclear TGLS = 1-14 ]	
* Testes	Bilateral, Interstit Cell	Adenoma	
		[ Adenoma TGLS = 3-12 ]	
* Thyroid Gland	C Cell	Hyperplasia	Moderate

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 611	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 150 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 8800811

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**OBSERVATIONS**

* Adrenal Cortex		Adenoma	
* Heart	Myocardium	Degeneration	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 612

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 150 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800812

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 1-7 ]			
* Testes	Interstitial Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 613

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 150 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800813

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Medulla		Hyperplasia	Moderate
* Heart	Myocardium	Degeneration	Moderate
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
	[ Hepatodiaphragmatic Nodule TGLS = 5-16 ]		
* Lung		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 4-2+3 ]		
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 3-2+15 ]		
* Pancreas	Acinus	Atrophy	Minimal
* Spleen		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 2-14 ]		
* Testes	Interstitial Cell	Adenoma	
	[ Adenoma TGLS = 1-12 ]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 614

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 150 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800814

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Moderate
* Kidney		Nephropathy	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:06

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 615

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 150 PPM

DISP: Terminal Sacrifice

HISTO: 8800815

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Adrenal Medulla		Hyperplasia	Mild
* Heart	Myocardium	Degeneration	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 616

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 150 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800816

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[ Adenoma TGLS = 1-12 ]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:06

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 617

TRT#: 5

SEX: Male

DAY ON TEST: 491

DOSE: 150 PPM

DISP: Natural Death

HISTO: 8800817

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

\* Adrenal Cortex  
\* Epididymis  
\* Lung  
\* Nose  
Preputial Gland  
\* Skin  
\* Stomach, Glandular  
\* Urinary Bladder

\* Adrenal Medulla  
\* Esophagus  
\* Lymph Node, Mandibular  
\* Parathyroid Gland  
\* Prostate  
\* Spinal Cord  
\* Thymus

\* Bone  
\* Kidney  
\* Lymph Node, Mesenteric  
\* Peripheral Nerve  
\* Salivary Glands  
\* Spleen  
\* Thyroid Gland

\* Bone Marrow  
\* Liver  
\* Mammary Gland  
\* Pituitary Gland  
\* Seminal Vesicle  
\* Stomach, Forestomach  
\* Trachea

AUTO PRECLUDES DIAG.

\* Intestine Large, Cecum  
\* Intestine Small, Ileum

\* Intestine Large, Colon  
\* Intestine Small, Jejunum

\* Intestine Large, Rectum  
\* Islets, Pancreatic

\* Intestine Small, Duodenum  
\* Pancreas

OBSERVATIONS

\* Brain  
\* Heart  
\* Testes

Myocardium  
Interstit Cell

Oligodendroglioma Benign  
Degeneration  
Adenoma

Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: C O DEATH: OLIGODENDROGLIOMA OF BRAIN

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:06

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 618

TRT#: 5

SEX: Male

DAY ON TEST: 269

DOSE: 150 PPM

DISP: Moribund Sacrifice

HISTO: 8800818

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Ear	Pinna	Ulcer	Moderate
[ Ulcer TGLS = 1-14 ]			
* Liver		Hepatodiaphragmatic Nodule	
[ Hepatodiaphragmatic Nodule TGLS = 5-4 ]			
* Skin		Ulcer	Marked
Note: TWO OF THE SKIN ULCERS WERE DESCRIBED AT NECROPSY			
Note: DEFORMITIES OF BONE			
[ Ulcer TGLS = 2,3,4-15+16+17 ]			

PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: SKIN ULCERS

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03  
Test Type: CHRONIC  
Route: DOSED FEED  
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Tricresyl phosphate  
CAS Number: 1330-78-5

Date Report Requested: 10/22/2014  
Time Report Requested: 21:20:06  
First Dose M/F: NA / NA  
Lab: BAT

ANIMAL ID: 619

TRT#: 5

SEX: Male

DAY ON TEST: 682

DOSE: 150 PPM

DISP: Moribund Sacrifice

HISTO: 8800819

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

\* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Marked
* Kidney		Nephropathy	Marked
[ Nephropathy TGLS = 6-1 ]			
* Liver		Eosinophilic Focus	
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Intermed	Adenoma	
Preputial Gland		Inflammation	Chronic, Moderate
[ Inflammation TGLS = 1-14 ]			
* Spleen		Fibrosis	Mild
[ Fibrosis TGLS = 2-1 ]			
* Stomach, Glandular		Ulcer	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 3,4-12 ]			

PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: NEPHROPATHY

Animal Note: NO CORRESP LESION FOR DUODENAL DILATATION SEEN AT NECROPSY

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 620

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 150 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800820

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Medulla		Pheochromocytoma Benign	
* Intestine Small, Ileum		Ulcer	Moderate
* Kidney		Nephropathy	Mild
* Lymph Node, Mesenteric		Cyst	
[ Cyst TGLS = 3-15 ]			
* Spleen		Fibrosis	Mild
[ Fibrosis TGLS = 1-14 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 621

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 150 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800821

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart	Myocardium	Degeneration	Marked
* Kidney		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Mild
		Mixed Cell Focus	
[ Mixed Cell Focus TGLS = 4-4+14 ]			
* Lung		Erythrophagocytosis	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 3-7 ]			
Preputial Gland		Inflammation	Chronic, Mild
[ Inflammation TGLS = 1-12 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 622

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 711

**DOSE:** 150 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800822

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Thymus	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Heart	Myocardium	Degeneration Leukemia Mononuclear	Moderate
* Kidney		Leukemia Mononuclear Nephropathy	Minimal
* Liver		Degeneration Leukemia Mononuclear	Cystic, Moderate
		[ Degeneration TGLS = 7-16 ]	
		[ Leukemia Mononuclear TGLS = 6-4+16 ]	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
		[ Leukemia Mononuclear TGLS = 1,5-6+7 ]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[ Leukemia Mononuclear TGLS = 1,5-6+7 ]	
Mesentery	Fat	Necrosis	Mild
		[ Necrosis TGLS = 4-15 ]	
* Pancreas	Acinus	Atrophy	Moderate
* Spleen		Leukemia Mononuclear	
		[ Leukemia Mononuclear TGLS = 2-14 ]	
* Stomach, Glandular		Ulcer	Moderate
		[ Ulcer TGLS = 8-4+17 ]	
* Testes	Bilateral, Interstit Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 622	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 711
	<b>DOSE:</b> 150 PPM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 8800822

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Adenoma TGLS = 3-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

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PRIMARY CAUSE OF DEATH

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Animal Note: C O MORB: MONONUCLEAR CELL LEUKEMIA

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:06

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 623

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 150 PPM

DISP: Terminal Sacrifice

HISTO: 8800823

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart	Myocardium	Degeneration	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 4-4 ]		
* Lung		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 2,3-14+15 ]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[ Adenoma TGLS = 1-12 ]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 624

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 150 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800824

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Medulla		Hyperplasia	Mild
* Heart	Myocardium	Degeneration	Moderate
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Minimal
* Spleen			
Note: NO CORRESP LESION FOR SPLENIC ENLARGEMENT SEEN AT NECROPSY			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Thyroid Gland	C Cell	Adenoma	

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 625

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 150 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800825

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Medulla		Hyperplasia	Minimal
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 1-7 ]			
Preputial Gland		Adenoma	
[ Adenoma TGLS = 3-12 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:06

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 626

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 150 PPM

DISP: Terminal Sacrifice

HISTO: 8800826

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Eye		Phthisis Bulbi	
[ Phthisis Bulbi TGLS = 3-15 ]			
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 5,6-4+14 ]			
* Lung		Leukemia Mononuclear	
Preputial Gland		Inflammation	Chronic, Moderate
[ Inflammation TGLS = 1-12 ]			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 2-16 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 4-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05100-03  
Test Type: CHRONIC  
Route: DOSED FEED  
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Tricresyl phosphate  
CAS Number: 1330-78-5

Date Report Requested: 10/22/2014  
Time Report Requested: 21:20:06  
First Dose M/F: NA / NA  
Lab: BAT

ANIMAL ID: 627

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 150 PPM

DISP: Terminal Sacrifice

HISTO: 8800827

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Minimal
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 3-14 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
Preputial GI			
Note: IN LEFT PREPUTIAL AT NECROPSY			
Note: NO CORRESP LESION FOR GREEN PIGMENT OBSERVED			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 628

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 150 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800828

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Peripheral Nerve	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Medulla		Hyperplasia	Moderate
* Heart	Myocardium	Degeneration	Mild
* Liver		Eosinophilic Focus	
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Nose		Inflammation	Suppurative, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 3-7 ]			
Preputial Gland		Adenoma	
[ Adenoma TGLS = 1-14 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 629

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 150 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800829

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Degeneration	Cystic, Minimal
		Hepatodiaphragmatic Nodule	
	[ Hepatodiaphragmatic Nodule TGLS = 3-14 ]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[ Adenoma TGLS = 4-7 ]		
* Skin		Cyst Epithelial Inclusion	
	[ Cyst Epithelial Inclusion TGLS = 1-15 ]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[ Adenoma TGLS = 2-12 ]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 630

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 618

**DOSE:** 150 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800830

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Brain		Leukemia Mononuclear	
* Heart	Myocardium	Degeneration	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 4-4 ]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 1,2,5-2+5+14+16 ]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 1,2,5-2+5+14+16 ]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 1,2,5-2+5+14+16 ]		
* Pancreas	Acinus	Atrophy	Mild
Preputial GI			
	Note: SEEN AT NECROPSY		
	Note: NO CORRESP LESION FOR GREEN LEFT PREPUTIAL GLAND		
* Spleen		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 3-15 ]		
* Testes	Bilateral, Interstit Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 630

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 618

**DOSE:** 150 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800830

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Adenoma TGLS = 7,8-12 ]

\* Thyroid Gland

C Cell

Hyperplasia

Minimal

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**PRIMARY CAUSE OF DEATH**

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Animal Note: C O MORB: MONONUCLEAR CELL LEUKEMIA

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:06

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 631

TRT#: 7

SEX: Male

DAY ON TEST: 589

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 8800681

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

\* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart	Myocardium	Degeneration	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
		[ Hepatodiaphragmatic Nodule TGLS = 4-15 ]	
		[ Leukemia Mononuclear TGLS = 3-4+15 ]	
* Lung		Inflammation	Chronic, Marked
		Leukemia Mononuclear	
		[ Inflammation TGLS = 5-2+3 ]	
* Pancreas	Acinus	Atrophy	Mild
* Spleen		Leukemia Mononuclear	
		[ Leukemia Mononuclear TGLS = 2-14 ]	
* Testes	Bilateral, Interstit Cell	Adenoma	
		[ Adenoma TGLS = 1-12 ]	
* Thyroid Gland	Bilateral, C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03

**Test Type:** CHRONIC

**Route:** DOSED FEED

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Tricresyl phosphate

**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 21:20:06

**First Dose M/F:** NA / NA

**Lab:** BAT

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**ANIMAL ID:** 631

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 589

**DOSE:** 300 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800681

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Animal Note: C O MORB: MONONUCLEAR CELL LEUKEMIA

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 632

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 300 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800682

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Mild
* Brain	Hypothalamus	Compression	
* Kidney		Nephropathy	Marked
* Liver		Basophilic Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 3-7 ]			
Preputial Gland		Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Prostate		Inflammation	Chronic, Mild
[ Inflammation TGLS = 2-13 ]			
* Testes	Interstit Cell	Adenoma	
[ Adenoma TGLS = 4-12 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 633

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 300 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800683

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart	Myocardium	Degeneration	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Mild
		Hepatodiaphragmatic Nodule	
[ Hepatodiaphragmatic Nodule TGLS = 2-14 ]			
* Lung		Inflammation	Chronic, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 634

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 300 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800684

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Mild
* Pancreas	Acinus	Atrophy	Mild
* Spleen		Fibrosis	Mild
[ Fibrosis TGLS = 1-1 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:06

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 635

TRT#: 7

SEX: Male

DAY ON TEST: 697

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 8800685

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Heart		Leukemia Mononuclear	
* Intestine Small, Jejunum		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3-15 ]			
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 4-4 ]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 5,7-7+16 ]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 5,7-7+16 ]			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1-14 ]			
* Stomach, Glandular		Ulcer	Mild
[ Ulcer TGLS = 8-17 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Thymus		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 6-2 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 635

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 697

**DOSE:** 300 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800685

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: MONONUCLEAR CELL LEUKEMIA

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 636

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 300 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800686

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Moderate
* Liver		Angiectasis	Moderate
		Basophilic Focus	
[ Angiectasis TGLS = 2-4 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:06

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 637

TRT#: 7

SEX: Male

DAY ON TEST: 705

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 8800687

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
		Fibroadenoma	
* Mammary Gland			
Note: AS A SKIN MASS			
Note: MAMMARY GLAND FIBROADENOMA WAS IDENTIFIED AT NECROPSY			
[ Fibroadenoma TGLS = 1-14 ]			
* Pituitary Gland		Cyst	
Preputial GI			
Note: NO CORRESP LESION FOR NODULE SEEN AT TRIM			
* Testes	Interstitial Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
[ Adenoma TGLS = 2-12 ]			
[ Atrophy TGLS = 3-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: MAMMARY GL FIBROADENOMA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 638

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 300 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800688

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Cortex		Adenoma	
* Adrenal Medulla		Hyperplasia	Mild
* Heart	Myocardium	Degeneration	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
Preputial Gland		Inflammation	Chronic, Mild
[ Inflammation TGLS = 1-12 ]			
* Spleen		Fibrosis	Mild
[ Fibrosis TGLS = 3-14 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 639

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 300 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800689

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Moderate
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Spleen		Fibrosis	Minimal
[ Fibrosis TGLS = 2-1 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:06

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 640

TRT#: 7

SEX: Male

DAY ON TEST: 542

DOSE: 300 PPM

DISP: Natural Death

HISTO: 8800690

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Marked
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Necrosis	Moderate
* Lym Node Mand			
Note: NO CORRESP LESION SEEN FOR MANDIBULAR L NODE ENLARGEMENT			
* Nose		Squamous Cell Carcinoma	
* Spleen		Sarcoma	
[ Sarcoma TGLS = 2-14 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: SEEN AT NECROPSY

Animal Note: C O DEATH: NASAL SQUAMOUS CELL CARCINOMA; SPLENIC SARCOMA

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:06

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 641

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 8800691

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |   |                   |                         |        |
|---|-------------------|-------------------------|--------|
| * Adrenal Medulla   |                   | Pheochromocytoma Benign |        |
| Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED. |                   |                         |        |
| * Kidney  |                   | Nephropathy             | Mild   |
| * Spinal Cord   |                   | Cyst                    |        |
| * Testes  | Interstit Cell    | Adenoma                 |        |
|   | Seminif Tub       | Atrophy                 | Marked |
|   |                   |                         |        |
|   |                   |                         |        |
|   |                   |                         |        |
|   |                   |                         |        |
| * Thyroid Gland   | Bilateral, C Cell | Adenoma                 |        |
|   |                   |                         |        |
|   |                   |                         |        |
|   |                   |                         |        |

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 642	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 300 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 8800692

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Minimal
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Mild
* Pancreas	Acinus	Atrophy	Minimal
	Acinus	Atrophy	Minimal
Preputial Gland		Inflammation	Chronic, Moderate
[ Inflammation TGLS = 2-12 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 643

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 300 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800693

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Minimal
* Heart	Myocardium	Degeneration	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:06

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 644

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 8800694

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart	Myocardium	Degeneration	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
* Pancreas	Acinus	Atrophy	Mild
* Testes	Interstitial Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03  
Test Type: CHRONIC  
Route: DOSED FEED  
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Tricresyl phosphate  
CAS Number: 1330-78-5

Date Report Requested: 10/22/2014  
Time Report Requested: 21:20:06  
First Dose M/F: NA / NA  
Lab: BAT

ANIMAL ID: 645

TRT#: 7

SEX: Male

DAY ON TEST: 614

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 8800695

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Mild
* Mammary Gland		Fibroadenoma	
Note: MAMMARY GLAND LESION WAS IDENTIFIED AS A SKIN MASS AT NECR [ Fibroadenoma TGLS = 1-14 ]			
Preputial Gl			
Note: NO CORRESP LESION FOR PREPUTIAL GL NODULE SEEN AT TRIM			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: MAMMARY GLAND FIBROADENOMA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 646

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 618

**DOSE:** 300 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800696

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Mammary Gland                      \* Thymus

**OBSERVATIONS**

* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 4,5,6,7-4+14+15+16 ]		
* Lung		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 2-2+3 ]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen	Capsule	Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
	[ Inflammation TGLS = 1-17 ]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[ Adenoma TGLS = 3-12 ]		
* Thyroid Gland	C Cell	Adenoma	

**PRIMARY CAUSE OF DEATH**

-

Animal Note: C O MORB: MONONUCLEAR CELL LEUKEMIA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 647

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 300 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800697

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Mild
* Bone		Inflammation	Chronic, Mild
Note: AT NECROPSY AS A LESION OF SKIN Note: THE LESION OF FOOT (METATARSAL) BONE WAS IDENTIFIED [ Inflammation TGLS = 1-14 ]			
* Heart	Myocardium	Degeneration	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney		Nephropathy	Mild
Mesentery		Liposarcoma	
[ Liposarcoma TGLS = 3-15 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 4-7 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 648

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 638

**DOSE:** 300 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800698

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Peripheral Nerve	* Pituitary Gland	Preputial Gland
* Prostate	* Salivary Glands	* Skin	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Heart	Myocardium	Degeneration	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 3-4 ]		
* Lung		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 8-3+14 ]		
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 1,7,9-2+4+7+16 ]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 1,7,9-2+4+7+16 ]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 1,7,9-2+4+7+16 ]		
* Pancreas		Leukemia Mononuclear	
	Note: PANCREATIC LESION WAS IDENTIFIED AT NECROPSY AS AN		
	Note: ENLARGED PANCREATIC LYMPH NODE		
	[ Leukemia Mononuclear TGLS = 6-15 ]		
* Seminal Vesicle		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 648	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 638
	<b>DOSE:</b> 300 PPM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 8800698

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Leukemia Mononuclear TGLS = 5-17 ]			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 2-1 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 4-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

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PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: MONONUCLEAR CELL LEUKEMIA

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 649

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 300 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800699

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Intestine Small, Jejunum [ Ulcer TGLS = 3-6+14 ]		Ulcer	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen [ Fibrosis TGLS = 2-1 ]		Fibrosis	Mild
* Testes [ Adenoma TGLS = 1-12 ]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 650

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 300 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800700

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Moderate
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 651

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 300 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800701

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Medulla		Hyperplasia	Moderate
* Heart	Myocardium	Degeneration	Mild
	Atrium	Dilatation	Moderate
[ Dilatation TGLS = 5-4 ]			
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Moderate
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 2-4 ]			
* Lung		Leukemia Mononuclear	
* Spleen		Fibrosis	Mild
[ Fibrosis TGLS = 4-14 ]		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3-14 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Thyroid Gland	C Cell	Adenoma	

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 652

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 631

**DOSE:** 300 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800702

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Medulla		Hyperplasia	Minimal
* Heart	Myocardium	Degeneration	Mild
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 5-4 ]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1-2+14 ]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 4-1 ]			
* Stomach, Glandular		Ulcer	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2,3-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

Animal Note: C O MORB: MONONUCLEAR CELL LEUKEMIA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 653

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 300 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800703

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Mild
* Skin		Acanthosis	Moderate
		Hyperkeratosis	Moderate
* Spinal Cord	Nerve	Degeneration	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:06

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 654

TRT#: 7

SEX: Male

DAY ON TEST: 578

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 8800704

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 4-4 ]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 2,6-14+16 ]			
[ Leukemia Mononuclear TGLS = 2,6-14+16 ]			
Preputial GI			
Note: NO CORRESP LESION FOR PREPUTIAL GLAND CYST SEEN AT NECROPSY			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3-15 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 5-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: MONONUCLEAR CELL LEUKEMIA

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:06

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 655

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 8800705

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	[ Hepatodiaphragmatic Nodule TGLS = 2-4 ]		
	Preputial Gland	Inflammation	Chronic, Mild
	[ Inflammation TGLS = 3-12 ]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[ Adenoma TGLS = 1-12 ]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 656

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 670

**DOSE:** 300 PPM

**DISP:** Natural Death

**HISTO:** 8800706

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Spinal Cord

**OBSERVATIONS**

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart	Myocardium	Degeneration	Mild
		Leukemia Mononuclear	
* Kidney		Nephropathy	Marked
* Liver		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 4-4 ]		
* Lung		Leukemia Mononuclear	
* Skin		Ulcer	Mild
	[ Ulcer TGLS = 1-15 ]		
* Spleen		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 3-14 ]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[ Adenoma TGLS = 2-12 ]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

-

Animal Note: C O DEATH: MONONUCLEAR CELL LEUKEMIA

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:06

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 657

TRT#: 7

SEX: Male

DAY ON TEST: 662

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 8800707

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Lung		Hemorrhage	Minimal
		Leukemia Mononuclear	
[ Hemorrhage TGLS = 3-3 ]			
Mesentery	Artery	Inflammation	Chronic, Marked
Note: ONE OF THE MESENTERY LESIONS (TGL #5) WAS			
Note: IDENTIFIED AT TRIM AS A CECAL LESION			
[ Inflammation TGLS = 4,5-14+16 ]			
* Pancreas	Acinus	Atrophy	Mild
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 2-15 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: MONONUCLEAR CELL LEUKEMIA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 658

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 300 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800708

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Moderate
* Kidney		Nephropathy	Minimal
* Liver			
Note: NO CORRESP LESION FOR GRANULAR APPEARANCE OF LIVER			
Note: SEEN AT NECROPSY			
* Pancreas	Acinus	Atrophy	Minimal
* Spleen		Fibrosis	Minimal
[ Fibrosis TGLS = 2-14 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 3-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:06

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 659

TRT#: 7

SEX: Male

DAY ON TEST: 691

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 8800709

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart	Myocardium	Degeneration	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 2-4 ]		
* Lung		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Minimal
* Spleen		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 1-14 ]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[ Adenoma TGLS = 3-12 ]		

PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: MONONUCLEAR CELL LEUKEMIA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 660

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 300 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800710

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Cortex		Adenoma	
* Heart	Myocardium	Degeneration	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Skin	Subcut Tiss	Lipoma	
[ Lipoma TGLS = 1-14 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 661

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 300 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800711

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Medulla		Pheochromocytoma Benign	
[ Pheochromocytoma Benign TGLS = 4-7 ]			
* Heart	Myocardium	Degeneration	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3-4 ]			
* Lung		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1-14 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Thyroid Gland	C Cell	Adenoma	
[ Adenoma TGLS = 5-7 ]			

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 662

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 300 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800712

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Medulla		Hyperplasia	Moderate
* Kidney		Nephropathy	Marked
[ Nephropathy TGLS = 3-1 ]			
* Lung		Inflammation	Chronic, Mild
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Preputial Gland		Inflammation	Chronic, Mild
[ Inflammation TGLS = 1-12 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Thyroid Gland	C Cell	Adenoma	

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:06

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 663

TRT#: 7

SEX: Male

DAY ON TEST: 498

DOSE: 300 PPM

DISP: Natural Death

HISTO: 8800713

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

- |                           |               |                   |         |
|---------------------------|---------------|-------------------|---------|
| * Brain                   | Hypothalamus  | Compression       |         |
| * Heart                   | Myocardium    | Degeneration      | Mild    |
| * Intestine Large, Rectum |               | Parasite Metazoan |         |
| * Kidney                  |               | Nephropathy       | Minimal |
| * Pituitary Gland         | Pars Distalis | Adenoma           |         |
| [ Adenoma TGLS = 1-7 ]    |               |                   |         |

PRIMARY CAUSE OF DEATH

-

Animal Note: C O DEATH: PITUITARY ADENOMA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 664

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 670

**DOSE:** 300 PPM

**DISP:** Natural Death

**HISTO:** 8800714

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Mild
* Kidney		Hydronephrosis	Mild
		Nephropathy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Preputial GI			
Note: NO CORRESP LESION FOR PREP GL ENLARGEMENT SEEN AT TRIM			
* Prostate		Inflammation	Chronic, Moderate
[ Inflammation TGLS = 4-14 ]			
* Seminal Vesicle		Inflammation	Chronic, Mild
[ Inflammation TGLS = 5,6-14 ]			
* Testes	Interstitial Cell	Adenoma	
[ Adenoma TGLS = 1,2-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder	Mucosa	Ulcer	Marked
[ Ulcer TGLS = 3-6 ]			

**PRIMARY CAUSE OF DEATH** -

Animal Note: C O DEATH: URETHRAL BLOCKAGE

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03  
Test Type: CHRONIC  
Route: DOSED FEED  
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Tricresyl phosphate  
CAS Number: 1330-78-5

Date Report Requested: 10/22/2014  
Time Report Requested: 21:20:06  
First Dose M/F: NA / NA  
Lab: BAT

ANIMAL ID: 665

TRT#: 7

SEX: Male

DAY ON TEST: 605

DOSE: 300 PPM

DISP: Natural Death

HISTO: 8800715

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Islets, Pancreatic
* Kidney	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Peripheral Nerve	Preputial Gland	* Prostate
* Seminal Vesicle	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland	* Salivary Glands	* Thyroid Gland
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AUTO PRECLUDES DIAG.

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

OBSERVATIONS

Eye [ Cataract TGLS = 2-14 ]	Lens	Cataract	Focal, Moderate
* Heart	Myocardium	Degeneration Leukemia Mononuclear	Moderate
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen [ Leukemia Mononuclear TGLS = 1-15 ]		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

Animal Note: C O DEATH: MONONUCLEAR CELL LEUKEMIA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 666

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 628

**DOSE:** 300 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800716

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	Preputial Gland	* Prostate	* Salivary Glands
* Skin	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea		

**OBSERVATIONS**

* Brain		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 14,15-18 ]			
* Kidney		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 5-1 ]		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 4-4 ]			
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1,8,9,10,13-2+7+15+16+17 ]			
[ Leukemia Mononuclear TGLS = 1,8,9,10,13-2+7+15+16+17 ]			
[ Leukemia Mononuclear TGLS = 1,8,9,10,13-2+7+15+16+17 ]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1,8,9,10,13-2+7+15+16+17 ]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1,8,9,10,13-2+7+15+16+17 ]			
* Nose		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 11-7 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 666

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 628

**DOSE:** 300 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800716

**ORGAN AND ACCOUNTABLE SITE STATUS**

* Seminal Vesicle [ Leukemia Mononuclear TGLS = 12-12 ]		Leukemia Mononuclear	
* Spleen [ Leukemia Mononuclear TGLS = 2,3-14 ]		Leukemia Mononuclear	
* Testes [ Adenoma TGLS = 7-12 ]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder [ Leukemia Mononuclear TGLS = 6-6 ]		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: MONONUCLEAR CELL LEUKEMIA

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03  
Test Type: CHRONIC  
Route: DOSED FEED  
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Tricresyl phosphate  
CAS Number: 1330-78-5

Date Report Requested: 10/22/2014  
Time Report Requested: 21:20:06  
First Dose M/F: NA / NA  
Lab: BAT

ANIMAL ID: 667

TRT#: 7

SEX: Male

DAY ON TEST: 656

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 8800717

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3-15 ]			
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 2-14 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			

PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: MONONUCLEAR CELL LEUKEMIA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 668	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 300 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 8800718

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**OBSERVATIONS**

* Adrenal Medulla		Hyperplasia	Mild
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Degeneration	Cystic, Moderate
		Leukemia Mononuclear	
			[ Degeneration TGLS = 5-16 ]
			[ Leukemia Mononuclear TGLS = 4-4+16 ]
* Lung		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Moderate
			[ Necrosis TGLS = 3-15 ]
* Spleen		Leukemia Mononuclear	
			[ Leukemia Mononuclear TGLS = 1-14 ]
* Testes	Bilateral, Interstit Cell	Adenoma	
			[ Adenoma TGLS = 2-12 ]
* Thyroid Gland	C Cell	Adenoma	
Tongue	Epithelium, Mucosa	Hyperplasia	Moderate
			[ Hyperplasia TGLS = 6-17 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:06

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 669

TRT#: 7

SEX: Male

DAY ON TEST: 711

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 8800719

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Leukemia Mononuclear Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 5-4 ]			
* Lung		Leukemia Mononuclear	
* Skin	Subcut Tiss	Fibrosarcoma	
[ Fibrosarcoma TGLS = 4-15 ]			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1-14 ]			
* Stomach, Glandular		Ulcer	Mild
[ Ulcer TGLS = 6-16 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2,3-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: MONONUCLEAR CELL LEUKEMIA

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:06

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 670

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 8800720

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart	Myocardium	Degeneration	Mild
* Intestine Small, Jejunum		Mast Cell Tumor Benign	
[ Mast Cell Tumor Benign TGLS = 2-14 ]			
* Kidney		Nephropathy	Mild
* Pancreas	Acinus	Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:06

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 671

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 8800721

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

- |                                  |                           |                  |         |
|----------------------------------|---------------------------|------------------|---------|
| * Adrenal Medulla                |                           | Hyperplasia      | Mild    |
| * Heart                          | Myocardium                | Degeneration     | Mild    |
| * Kidney                         |                           | Nephropathy      | Minimal |
| * Liver                          |                           | Basophilic Focus |         |
|                                  |                           | Clear Cell Focus |         |
|                                  |                           | Mixed Cell Focus |         |
| [ Basophilic Focus TGLS = 3-14 ] |                           |                  |         |
| [ Clear Cell Focus TGLS = 2-14 ] |                           |                  |         |
| * Testes                         | Bilateral, Interstit Cell | Adenoma          |         |
| [ Adenoma TGLS = 1-12 ]          |                           |                  |         |
| * Thyroid Gland                  | C Cell                    | Hyperplasia      | Mild    |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03  
Test Type: CHRONIC  
Route: DOSED FEED  
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Tricresyl phosphate  
CAS Number: 1330-78-5

Date Report Requested: 10/22/2014  
Time Report Requested: 21:20:06  
First Dose M/F: NA / NA  
Lab: BAT

ANIMAL ID: 672                      TRT#: 7                      SEX: Male                      DAY ON TEST: 729  
DOSE: 300 PPM                      DISP: Terminal Sacrifice                      HISTO: 8800722

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Heart	Myocardium	Degeneration	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
[ Hepatodiaphragmatic Nodule TGLS = 2-4 ]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Testes	Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 673

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 300 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800723

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Medulla		Hyperplasia	Mild
* Heart	Myocardium	Degeneration	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 2-14 ]			
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
[ Adenoma TGLS = 4-7 ]			
* Testes	Interstitial Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
Tongue	Epithelium, Mucosa	Hyperplasia	Moderate
[ Hyperplasia TGLS = 3-15 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 674

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 300 PPM

**DISP:** Terminal Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 2-4 ]			
* Lung		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Mild
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1-14 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 3-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 675

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 712

**DOSE:** 300 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800725

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Mild
* Kidney		Leukemia Mononuclear Nephropathy	Mild
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3-4 ]			
* Lung		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Mild
Preputial Gland		Adenoma	
[ Adenoma TGLS = 4-12 ]			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1-14 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

Animal Note: C O MORB: MONONUCLEAR CELL LEUKEMIA

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03  
Test Type: CHRONIC  
Route: DOSED FEED  
Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Test Compound: Tricresyl phosphate  
CAS Number: 1330-78-5

Date Report Requested: 10/22/2014  
Time Report Requested: 21:20:06  
First Dose M/F: NA / NA  
Lab: BAT

ANIMAL ID: 676      TRT#: 7      SEX: Male      DAY ON TEST: 729  
DOSE: 300 PPM      DISP: Terminal Sacrifice      HISTO: 8800726

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
[ Hepatocellular Adenoma TGLS = 3-14 ]			
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 2-15 ]			
* Nose		Inflammation	Suppurative, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 677

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 300 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800727

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Cortex		Adenoma	
* Heart	Myocardium	Degeneration	Moderate
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
[ Eosinophilic Focus TGLS = 3-14 ]			
Preputial Gland		Inflammation	Chronic, Mild
[ Inflammation TGLS = 1-12 ]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05100-03  
Test Type: CHRONIC  
Route: DOSED FEED  
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Tricresyl phosphate  
CAS Number: 1330-78-5

Date Report Requested: 10/22/2014  
Time Report Requested: 21:20:06  
First Dose M/F: NA / NA  
Lab: BAT

ANIMAL ID: 678

TRT#: 7

SEX: Male

DAY ON TEST: 614

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 8800728

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
Ear	Pinna	Fibrosarcoma	
[ Fibrosarcoma TGLS = 1-15 ]			
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 2-14 ]			
* Testes	Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: FIBROSARCOMA OF EAR PINNA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 679

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 702

**DOSE:** 300 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800729

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Mild
* Heart	Myocardium	Degeneration	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver		Hepatodiaphragmatic Nodule	
[ Hepatodiaphragmatic Nodule TGLS = 3-14 ]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Marked
[ Hyperplasia TGLS = 2-15 ]			
* Nose		Inflammation	Suppurative, Mild
* Pancreas	Acinus	Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
Zymbal's Gland		Carcinoma	
[ Carcinoma TGLS = 4-16 ]			

**PRIMARY CAUSE OF DEATH** -

Animal Note: C O MORB: ZYMBAL'S GLAND CARCINOMA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 680

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 640

**DOSE:** 300 PPM

**DISP:** Natural Death

**HISTO:** 8800730

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Medulla		Hyperplasia	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Necrosis	Mild
* Pancreas	Acinus	Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

[ Adenoma TGLS = 1-12 ]

**PRIMARY CAUSE OF DEATH**

-

Animal Note: C O DEATH: CARDIAC FAILURE

Animal Note: C O DEATH: ATRIAL DILATATION

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 226

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 274

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800046

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Kidney	Nephropathy	Minimal
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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:06

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 227

TRT#: 2

SEX: Female

DAY ON TEST: 92

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 8800047

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Uterus	Dilatation	Mild
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**PRIMARY CAUSE OF DEATH**

-

Animal Note: NO CORRESP LESION FOR CECAL FOCUS SEEN AT NECROPSY

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 228

**TRT#:** 2  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:** 274  
**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Liver	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

**MISSING**

\* Lymph Node, Mesenteric

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 229

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 274

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800049

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Kidney	Nephropathy	Minimal
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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 230

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800050

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 231

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800051

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Salivary Glands	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 232

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800052

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Ovary		Cyst	
[ Cyst TGLS = 1-12 ]			
* Pancreas	Acinus	Atrophy	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 233

**TRT#:** 2  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:** 274  
**HISTO:** 8800053

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Salivary Glands	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

**OBSERVATIONS**

* Brain	Astrocytoma Malignant	
[ Astrocytoma Malignant TGLS = 1-5 ]		
* Pancreas	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 234

**TRT#:** 2  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:** 97  
**HISTO:** 8800054

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 235

**TRT#:** 2  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:** 278  
**HISTO:** 8800055

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 236

**TRT#:** 2  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:** 457  
**HISTO:** 8800056

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 237

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 97

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800057

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:06

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 238

TRT#: 2

SEX: Female

DAY ON TEST: 456

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 8800058

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Bone                      | * Bone Marrow            | * Brain                    |
| Clitoral Gland            | * Esophagus                 | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Liver                  | * Lung                     |
| * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Mammary Gland          | * Nose                     |
| * Ovary                   | * Pancreas                  | * Parathyroid Gland      | * Peripheral Nerve         |
| * Pituitary Gland         | * Salivary Glands           | * Skin                   | * Spinal Cord              |
| * Spleen                  | * Stomach, Forestomach      | * Stomach, Glandular     | * Thymus                   |
| * Trachea                 | * Urinary Bladder           | * Uterus                 |                            |

OBSERVATIONS

- |   |            |              |         |
|---|------------|--------------|---------|
| * Adrenal Medulla   |            | Hyperplasia  | Mild    |
| * Heart   | Myocardium | Degeneration | Minimal |
| * Liver   |            |              |         |
| Note: NO CORRESP LESION FOR LIVER NODULE SEEN AT NECROPSY |            |              |         |
| * Thyroid Gland   | C Cell     | Hyperplasia  | Mild    |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:06

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 239

TRT#: 2

SEX: Female

DAY ON TEST: 274

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 8800059

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

- |                          |     |                           |         |
|--------------------------|-----|---------------------------|---------|
| * Adrenal Cortex         |     | Vacuolization Cytoplasmic | Minimal |
| Mesentery                | Fat | Necrosis                  | Mild    |
| [ Necrosis TGLS = 1-13 ] |     |                           |         |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 240

**TRT#:** 2  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:** 412  
**HISTO:** 8800060

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Salivary Glands	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Thymus	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Lung			
Note: MUSCLE AND NERVE TISSUE IN LUNG BELIEVED TO BE AN ARTIFACT			
* Stomach, Glandular		Ulcer	Mild
[ Ulcer TGLS = 2-6 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Adenocarcinoma	
[ Adenocarcinoma TGLS = 1-13 ]			

**PRIMARY CAUSE OF DEATH** -

Animal Note: C O DEATH: UTERINE ADENOCARCINOMA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03

**Test Type:** CHRONIC

**Route:** DOSED FEED

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Tricresyl phosphate

**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 21:20:06

**First Dose M/F:** NA / NA

**Lab:** BAT

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**ANIMAL ID:** 241

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 457

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800061

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 242

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 274

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800062

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Liver	Hepatodiaphragmatic Nodule Inflammation	Granulomatous, Minimal
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[ Hepatodiaphragmatic Nodule TGLS = 1-13 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 243

**TRT#:** 2  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:** 92  
**HISTO:** 8800063

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 244

**TRT#:** 2  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:** 274  
**HISTO:** 8800064

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 245

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800065

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

PRIMARY CAUSE OF DEATH

-

Animal Note: NO CORRESP LESION FOR CECAL FOCUS SEEN AT NECROPSY

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 246

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 274

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800066

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Kidney	Nephropathy	Minimal
* Liver	Cyst	
[ Cyst TGLS = 1-13 ]		
* Pancreas	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 247

**TRT#:** 2  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:** 278  
**HISTO:** 8800067

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03

**Test Type:** CHRONIC

**Route:** DOSED FEED

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Tricresyl phosphate

**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 21:20:06

**First Dose M/F:** NA / NA

**Lab:** BAT

**ANIMAL ID:** 248

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800068

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Brain  
\* Intestine Large, Cecum  
\* Intestine Small, Ileum  
\* Liver  
\* Mammary Gland  
\* Parathyroid Gland  
\* Skin  
\* Stomach, Glandular  
\* Urinary Bladder

\* Adrenal Medulla  
Clitoral Gland  
\* Intestine Large, Colon  
\* Intestine Small, Jejunum  
\* Lung  
\* Nose  
\* Peripheral Nerve  
\* Spinal Cord  
\* Thymus  
\* Uterus

\* Bone  
\* Esophagus  
\* Intestine Large, Rectum  
\* Islets, Pancreatic  
\* Lymph Node, Mandibular  
\* Ovary  
\* Pituitary Gland  
\* Spleen  
\* Thyroid Gland

\* Bone Marrow  
\* Heart  
\* Intestine Small, Duodenum  
\* Kidney  
\* Lymph Node, Mesenteric  
\* Pancreas  
\* Salivary Glands  
\* Stomach, Forestomach  
\* Trachea

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 249

**TRT#:** 2  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:** 274  
**HISTO:** 8800069

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Kidney	Nephropathy	Minimal
* Ovary	Cyst	

[ Cyst TGLS = 1-12 ]

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 250

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800070

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 251

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800071

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 252

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800072

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Salivary Glands	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Minimal
* Liver		Hepatodiaphragmatic Nodule	
	[ Hepatodiaphragmatic Nodule TGLS = 1-4 ]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 253

**TRT#:** 2  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:** 278  
**HISTO:** 8800073

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 254

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 457

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800074

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 255

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 274

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800075

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

**MISSING**

\* Spleen

**OBSERVATIONS**

* Heart	Degeneration	Minimal
* Kidney	Nephropathy	Minimal
* Pancreas	Inflammation	Chronic, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 256

**TRT#:** 2  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:** 457  
**HISTO:** 8800076

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:06  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 257

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800077

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

PRIMARY CAUSE OF DEATH

-

Animal Note: NO CORRESP LESION FOR CECAL FOCUS SEEN AT NECROPSY

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 258

**TRT#:** 2  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:** 456  
**HISTO:** 8800078

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Minimal
Clitoral Gland		Inflammation	Chronic Active, Minimal
* Liver		Basophilic Focus	
Note: NO CORRESP LESION FOR LIVER NODULE SEEN AT TRIM			
* Pancreas	Acinus	Atrophy	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 259

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800079

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Thyroid Gland	C Cell	Adenoma
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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 260

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800080

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

**OBSERVATIONS**

* Pancreas	Acinus	Atrophy	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 261

**TRT#:** 2  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:** 278  
**HISTO:** 8800081

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:07

First Dose M/F: NA / NA

Lab: BAT

**ANIMAL ID:** 262

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800082

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Bone                    | * Bone Marrow               |
| * Brain                  | Clitoral Gland             | * Esophagus               | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Liver                  | * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    |
| * Mammary Gland          | * Nose                     | * Ovary                   | * Pancreas                  |
| * Parathyroid Gland      | * Peripheral Nerve         | * Pituitary Gland         | * Skin                      |
| * Spinal Cord            | * Spleen                   | * Stomach, Forestomach    | * Stomach, Glandular        |
| * Thymus                 | * Trachea                  | * Urinary Bladder         | * Uterus                    |

**OBSERVATIONS**

- |                   |        |              |                   |
|-------------------|--------|--------------|-------------------|
| * Salivary Glands |        | Inflammation | Chronic, Moderate |
| * Thyroid Gland   | C Cell | Hyperplasia  | Mild              |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:07

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 263

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 8800083

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

- |                      |      |
|----------------------|------|
| * Ovary              | Cyst |
| [ Cyst TGLS = 1-12 ] |      |
| * Spinal Cord        | Cyst |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03

**Test Type:** CHRONIC

**Route:** DOSED FEED

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Tricresyl phosphate

**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 21:20:07

**First Dose M/F:** NA / NA

**Lab:** BAT

**ANIMAL ID:** 264

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800084

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Brain  
\* Intestine Large, Cecum  
\* Intestine Small, Jejunum  
\* Lung  
\* Ovary  
\* Pituitary Gland  
\* Spleen  
\* Thyroid Gland

\* Adrenal Medulla  
Clitoral Gland  
\* Intestine Large, Colon  
\* Islets, Pancreatic  
\* Lymph Node, Mandibular  
\* Pancreas  
\* Salivary Glands  
\* Stomach, Forestomach  
\* Trachea

\* Bone  
\* Esophagus  
\* Intestine Small, Duodenum  
\* Kidney  
\* Lymph Node, Mesenteric  
\* Parathyroid Gland  
\* Skin  
\* Stomach, Glandular  
\* Urinary Bladder

\* Bone Marrow  
\* Heart  
\* Intestine Small, Ileum  
\* Liver  
\* Nose  
\* Peripheral Nerve  
\* Spinal Cord  
\* Thymus  
\* Uterus

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

\* Intestine Large, Rectum

Parasite Metazoan

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 265

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 97

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800085

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

---

**OBSERVATIONS**

\* Spinal Cord

Cyst

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 266

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 0 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800086

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Harderian Gland

Inflammation

Chronic Active, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 267

**TRT#:** 2  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:** 278  
**HISTO:** 8800087

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 268

**TRT#:** 2  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:** 457  
**HISTO:** 8800088

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 269

**TRT#:** 2  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:** 97  
**HISTO:** 8800089

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 270

**TRT#:** 2  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Scheduled Sacrifice

**DAY ON TEST:** 97  
**HISTO:** 8800090

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03

**Test Type:** CHRONIC

**Route:** DOSED FEED

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Tricresyl phosphate

**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 21:20:07

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 271

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 274

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800406

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Adrenal Cortex  
\* Brain  
\* Intestine Large, Cecum  
\* Intestine Small, Ileum  
\* Liver  
\* Mammary Gland  
\* Parathyroid Gland  
\* Skin  
\* Stomach, Glandular  
\* Urinary Bladder

\* Adrenal Medulla  
Clitoral Gland  
\* Intestine Large, Colon  
\* Intestine Small, Jejunum  
\* Lung  
\* Nose  
\* Peripheral Nerve  
\* Spinal Cord  
\* Thymus  
\* Uterus

\* Bone  
\* Esophagus  
\* Intestine Large, Rectum  
\* Islets, Pancreatic  
\* Lymph Node, Mandibular  
\* Ovary  
\* Pituitary Gland  
\* Spleen  
\* Thyroid Gland

\* Bone Marrow  
\* Heart  
\* Intestine Small, Duodenum  
\* Kidney  
\* Lymph Node, Mesenteric  
\* Pancreas  
\* Salivary Glands  
\* Stomach, Forestomach  
\* Trachea

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:07

First Dose M/F: NA / NA

Lab: BAT

**ANIMAL ID:** 272

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 274

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800407

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- \* Adrenal Cortex
- \* Brain
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Nose
- \* Peripheral Nerve
- \* Spinal Cord
- \* Thymus
- \* Uterus

- \* Adrenal Medulla
- Clitoral Gland
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Ovary
- \* Pituitary Gland
- \* Spleen
- \* Thyroid Gland

- \* Bone
- \* Esophagus
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Trachea

- \* Bone Marrow
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Mammary Gland
- \* Parathyroid Gland
- \* Skin
- \* Stomach, Glandular
- \* Urinary Bladder

**OBSERVATIONS**

- \* Liver Inflammation Granulomatous, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 273

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 278

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800408

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 274

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 457

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800409

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 275

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800410

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Salivary Glands	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

**MISSING**

\* Thymus

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	

[ Polyp Stromal TGLS = 1-12 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 276

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 274

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800411

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Kidney	Nephropathy	Minimal
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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 277

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800412

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

Clitoral Gland	Inflammation	Chronic, Minimal
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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 278

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 278

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800413

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03

**Test Type:** CHRONIC

**Route:** DOSED FEED

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Tricresyl phosphate

**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 21:20:07

**First Dose M/F:** NA / NA

**Lab:** BAT

**ANIMAL ID:** 279

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 274

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800414

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Liver	Inflammation	Granulomatous, Minimal
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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 280

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800415

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

Harderian Gland	Inflammation	Chronic Active, Minimal
* Mammary Gland	Adenoma	
[ Adenoma TGLS = 1-7 ]		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:07

First Dose M/F: NA / NA

Lab: BAT

**ANIMAL ID:** 281

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800416

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Harderian Gland

Inflammation

Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 282

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 457

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800417

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 283

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 97

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800418

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 284

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 278

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800419

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 285

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800420

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 286

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 457

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800421

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 287

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800422

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:07

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 288

TRT#: 4

SEX: Female

DAY ON TEST: 456

DOSE: 75 PPM

DISP: Scheduled Sacrifice

HISTO: 8800423

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Pituitary Gland			
Note: NO CORRESP LESION FOR FOCUS SEEN AT TRIM			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 289

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 204

**DOSE:** 75 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800424

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Bone			
Note: APPEARS THAT THE "NODULE" SEEN AT NECROPSY WAS AN INTERVERTEBRAL DISK			
Note: NO CORRESP LESION FOR NODULE OF THORACIC VERTEBRA; IT			
* Liver		Hepatodiaphragmatic Nodule Inflammation	Granulomatous, Minimal
[ Hepatodiaphragmatic Nodule TGLS = 1-13 ]			

**PRIMARY CAUSE OF DEATH** -

Animal Note: C O MORB: UNKNOWN

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 290

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800425

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

\* Liver Hepatodiaphragmatic Nodule

[ Hepatodiaphragmatic Nodule TGLS = 1-13 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 291

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 274

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800426

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

\* Liver Hepatodiaphragmatic Nodule

[ Hepatodiaphragmatic Nodule TGLS = 1-13 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 292

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800427

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 293

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800428

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 294

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 97

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800429

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 295

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 274

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800430

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Kidney	Nephropathy	Minimal
* Liver	Inflammation	Granulomatous, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 296

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 97

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800431

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 297

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 285

**DOSE:** 75 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800432

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Kidney	Nephropathy	Minimal
* Nose	Inflammation	Suppurative, Mild

**PRIMARY CAUSE OF DEATH**

-

Animal Note: C O MORB: UNKNOWN

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 298

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 97

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800433

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 299

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800434

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Thyroid Gland	C Cell	Hyperplasia	Mild
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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 300

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 457

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800435

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 301

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800436

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

**OBSERVATIONS**

Clitoral Gland		Inflammation	Chronic Active, Minimal
* Heart	Myocardium	Degeneration	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 302

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 97

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800437

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 303

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800438

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Clitoral Gland		Inflammation	Chronic Active, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 1-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:07

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 304

TRT#: 4

SEX: Female

DAY ON TEST: 456

DOSE: 75 PPM

DISP: Scheduled Sacrifice

HISTO: 8800439

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Bone                      | * Bone Marrow            |
| * Brain                    | Clitoral Gland            | * Esophagus                 | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Liver                  |
| * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Mammary Gland          |
| * Nose                     | * Pancreas                | * Parathyroid Gland         | * Peripheral Nerve       |
| * Pituitary Gland          | * Salivary Glands         | * Skin                      | * Spinal Cord            |
| * Spleen                   | * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                 |
| * Trachea                  | * Urinary Bladder         | * Uterus                    |                          |

OBSERVATIONS

- |                      |            |              |         |
|----------------------|------------|--------------|---------|
| * Heart              | Myocardium | Degeneration | Minimal |
| * Ovary              |            | Cyst         |         |
| [ Cyst TGLS = 1-12 ] |            |              |         |
| * Thyroid Gland      | C Cell     | Adenoma      |         |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 305

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 274

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800440

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Kidney	Nephropathy	Minimal
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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:07

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 306

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 75 PPM

DISP: Scheduled Sacrifice

HISTO: 8800441

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

\* Liver

Note: NO CORRESP LESION FOR LEFT LATERAL LOBE NODULE SEEN AT TRIM

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 307	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 456
	<b>DOSE:</b> 75 PPM	<b>DISP:</b> Scheduled Sacrifice	<b>HISTO:</b> 8800442

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

---

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
Note: NO CORRESP LESION FOR LIVER FOCUS SEEN AT TRIM			
* Pituitary Gland	Pars Distalis	Cyst	
[ Cyst TGLS = 1-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:07

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 308

TRT#: 4

SEX: Female

DAY ON TEST: 92

DOSE: 75 PPM

DISP: Scheduled Sacrifice

HISTO: 8800443

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Nose
- \* Peripheral Nerve
- \* Spleen
- \* Thyroid Gland

- \* Adrenal Medulla
- Clitoral Gland
- \* Intestine Large, Colon
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Ovary
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Trachea

- \* Bone
- \* Esophagus
- \* Intestine Large, Rectum
- \* Kidney
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder

- \* Bone Marrow
- \* Heart
- \* Intestine Small, Duodenum
- \* Liver
- \* Mammary Gland
- \* Parathyroid Gland
- \* Skin
- \* Thymus
- \* Uterus

MISSING

- \* Spinal Cord

OBSERVATIONS

- \* Intestine Small, Jejunum
- \* Perph Nerve

Peyers Patch

Mineralization

Minimal

Note: NO CROSS-SECTION OF THE SCIATIC NERVE WAS AVAILABLE

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:07

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 309

TRT#: 4

SEX: Female

DAY ON TEST: 222

DOSE: 75 PPM

DISP: Moribund Sacrifice

HISTO: 8800444

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

- |               |      |                                 |      |
|---------------|------|---------------------------------|------|
| * Spinal Cord | Axon | Degeneration<br>Hemangiosarcoma | Mild |
|---------------|------|---------------------------------|------|

Note: BE THE CAUDA EQUINA OF THE CORD (I E, THE CROSS-SECTION  
 Note: OF SPINAL CORD IS NORMAL BUT THE LONG SECTION HAS A LESION  
 Note: THE ACTUAL SITE OF THE AXONAL DEGENERATION APPEARS TO  
 [ Hemangiosarcoma TGLS = 1-13 ]

PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: HEMANGIOSARCOMA OF SPINAL CORD

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 310

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 278

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800445

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 311

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 274

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800446

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Liver	Inflammation	Granulomatous, Minimal
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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 312

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 274

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800447

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

\* Ovary [ Cyst TGLS = 1-12 ] Cyst

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 313

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 457

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800448

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03

**Test Type:** CHRONIC

**Route:** DOSED FEED

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Tricresyl phosphate

**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 21:20:07

**First Dose M/F:** NA / NA

**Lab:** BAT

**ANIMAL ID:** 315

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 274

**DOSE:** 75 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800450

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Mammary Gland	Adenocarcinoma
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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 316

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 274

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800316

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Intestine Large, Colon	Parasite Metazoan	
* Kidney	Nephropathy	Minimal
* Liver	Inflammation	Granulomatous, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 317

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 457

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800317

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 318

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 278

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800318

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03

**Test Type:** CHRONIC

**Route:** DOSED FEED

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Tricresyl phosphate

**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 21:20:07

**First Dose M/F:** NA / NA

**Lab:** BAT

**ANIMAL ID:** 319

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800319

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Bone                      | * Bone Marrow            |
| * Brain                    | Clitoral Gland            | * Esophagus                 | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric   | * Mammary Gland           | * Nose                      | * Ovary                  |
| * Pancreas                 | * Parathyroid Gland       | * Peripheral Nerve          | * Salivary Glands        |
| * Skin                     | * Spinal Cord             | * Spleen                    | * Stomach, Forestomach   |
| * Stomach, Glandular       | * Thymus                  | * Trachea                   | * Urinary Bladder        |
| * Uterus                   |                           |                             |                          |

**OBSERVATIONS**

- |                        |               |                  |         |
|------------------------|---------------|------------------|---------|
| * Heart                | Myocardium    | Degeneration     | Minimal |
| * Kidney               |               | Nephropathy      | Minimal |
| * Liver                |               | Basophilic Focus |         |
| * Pituitary Gland      | Pars Distalis | Adenoma          |         |
| [ Adenoma TGLS = 1-7 ] |               |                  |         |
| * Thyroid Gland        | C Cell        | Hyperplasia      | Mild    |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:07

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 320

TRT#: 6

SEX: Female

DAY ON TEST: 456

DOSE: 150 PPM

DISP: Scheduled Sacrifice

HISTO: 8800320

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Bone                    | * Bone Marrow               |
| * Brain                  | Clitoral Gland             | * Esophagus               | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Liver                     |
| * Lung                   | * Lymph Node, Mandibular   | * Lymph Node, Mesenteric  | * Mammary Gland             |
| * Nose                   | * Pancreas                 | * Parathyroid Gland       | * Peripheral Nerve          |
| * Pituitary Gland        | * Salivary Glands          | * Spinal Cord             | * Spleen                    |
| * Stomach, Forestomach   | * Stomach, Glandular       | * Thymus                  | * Trachea                   |
| * Urinary Bladder        | * Uterus                   |                           |                             |

OBSERVATIONS

- |                              |              |              |         |
|------------------------------|--------------|--------------|---------|
| * Kidney                     |              | Nephropathy  | Minimal |
| * Ovary                      | Interstitial | Hyperplasia  | Minimal |
| * Skin                       |              | Fibrosarcoma |         |
| [ Fibrosarcoma TGLS = 1-13 ] |              |              |         |
| * Thyroid Gland              | C Cell       | Hyperplasia  | Mild    |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 321

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 274

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800321

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 322

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 97

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800322

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:07

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 323

TRT#: 6

SEX: Female

DAY ON TEST: 456

DOSE: 150 PPM

DISP: Scheduled Sacrifice

HISTO: 8800323

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Kidney		Nephropathy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 324

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800324

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Ovary	Interstitial	Hyperplasia	Minimal
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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 325

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 97

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800325

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 326

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 274

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800326

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:07

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 327

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 150 PPM

DISP: Scheduled Sacrifice

HISTO: 8800327

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                          |
|-----------------------------|--------------------------|----------------------------|--------------------------|
| * Adrenal Medulla           | * Bone                   | * Bone Marrow              | * Brain                  |
| * Esophagus                 | * Heart                  | * Intestine Large, Cecum   | * Intestine Large, Colon |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic     |
| * Kidney                    | * Liver                  | * Lung                     | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric    | * Nose                   | * Pancreas                 | * Parathyroid Gland      |
| * Peripheral Nerve          | * Pituitary Gland        | * Salivary Glands          | * Skin                   |
| * Spinal Cord               | * Spleen                 | * Stomach, Forestomach     | * Stomach, Glandular     |
| * Thymus                    | * Thyroid Gland          | * Trachea                  | * Urinary Bladder        |
| * Uterus                    |                          |                            |                          |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |                           |                 |                           |                  |
|---------------------------|-----------------|---------------------------|------------------|
| * Adrenal Cortex          |                 | Vacuolization Cytoplasmic | Minimal          |
| Clitoral Gland            |                 | Inflammation              | Chronic, Minimal |
| * Intestine Large, Rectum |                 | Parasite Metazoan         |                  |
| * Ovary                   | Interstitialium | Hyperplasia               | Minimal          |
| * Perph Nerve             |                 |                           |                  |

Note: NO CROSS-SECTION OF SCIATIC NERVE WAS MADE

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:07

First Dose M/F: NA / NA

Lab: BAT

**ANIMAL ID:** 328

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800328

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex

\* Brain

\* Intestine Large, Colon

\* Intestine Small, Jejunum

\* Lung

\* Nose

\* Pituitary Gland

\* Spleen

\* Thyroid Gland

\* Adrenal Medulla

\* Esophagus

\* Intestine Large, Rectum

\* Islets, Pancreatic

\* Lymph Node, Mandibular

\* Ovary

\* Salivary Glands

\* Stomach, Forestomach

\* Trachea

\* Bone

\* Heart

\* Intestine Small, Duodenum

\* Kidney

\* Lymph Node, Mesenteric

\* Pancreas

\* Skin

\* Stomach, Glandular

\* Urinary Bladder

\* Bone Marrow

\* Intestine Large, Cecum

\* Intestine Small, Ileum

\* Liver

\* Mammary Gland

\* Peripheral Nerve

\* Spinal Cord

\* Thymus

\* Uterus

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

Clitoral Gland

Inflammation

Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:07

First Dose M/F: NA / NA

Lab: BAT

**ANIMAL ID:** 329

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800329

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

- |         |              |             |         |
|---------|--------------|-------------|---------|
| * Ovary | Interstitial | Hyperplasia | Minimal |
|---------|--------------|-------------|---------|

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 330

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 274

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800330

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Intestine Large, Rectum	Parasite Metazoan	
* Kidney	Nephropathy	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:07

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 331

TRT#: 6

SEX: Female

DAY ON TEST: 456

DOSE: 150 PPM

DISP: Scheduled Sacrifice

HISTO: 8800331

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Bone                    | * Bone Marrow               |
| * Brain                  | Clitoral Gland             | * Esophagus               | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Lung                   | * Lymph Node, Mandibular   | * Lymph Node, Mesenteric  | * Mammary Gland             |
| * Nose                   | * Ovary                    | * Peripheral Nerve        | * Salivary Glands           |
| * Skin                   | * Spinal Cord              | * Spleen                  | * Stomach, Forestomach      |
| * Stomach, Glandular     | * Thymus                   | * Thyroid Gland           | * Trachea                   |
| * Urinary Bladder        | * Uterus                   |                           |                             |

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |                     |               |                  |         |
|---------------------|---------------|------------------|---------|
| * Liver             |               | Basophilic Focus |         |
| * Pancreas          | Acinus        | Atrophy          | Minimal |
| * Pituitary Gland   | Pars Distalis | Cyst             |         |
| [ Cyst TGLS = 2-7 ] |               |                  |         |

PRIMARY CAUSE OF DEATH

-

Animal Note: NO CORRESP LESION FOR ADRENAL GL FOCUS SEEN AT NECROPSY

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03

**Test Type:** CHRONIC

**Route:** DOSED FEED

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Tricresyl phosphate

**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 21:20:07

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 332

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 97

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800332

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 333	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 456
	<b>DOSE:</b> 150 PPM	<b>DISP:</b> Scheduled Sacrifice	<b>HISTO:</b> 8800333

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

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

---

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Ovary	Interstitial	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild

---

**PRIMARY CAUSE OF DEATH**

-

Animal Note: NO CORRESP LESION FOR SMALL ADRENAL GLAND SEEN AT NECROPSY

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03

**Test Type:** CHRONIC

**Route:** DOSED FEED

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Tricresyl phosphate

**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 21:20:07

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 334

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 457

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800334

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

---

**OBSERVATIONS**

\* Spinal Cord

Cyst

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 335

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800335

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Ovary	Interstitial	Hyperplasia	Minimal
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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03

**Test Type:** CHRONIC

**Route:** DOSED FEED

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Tricresyl phosphate

**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 21:20:07

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 336

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 278

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800336

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 337

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800337

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03

**Test Type:** CHRONIC

**Route:** DOSED FEED

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Tricresyl phosphate

**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 21:20:07

**First Dose M/F:** NA / NA

**Lab:** BAT

---

**ANIMAL ID:** 338

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 457

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800338

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 339

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 278

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800339

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 340

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 97

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800340

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 341	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 456
	<b>DOSE:</b> 150 PPM	<b>DISP:</b> Scheduled Sacrifice	<b>HISTO:</b> 8800341

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

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

---

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Ovary	Interstitial	Hyperplasia	Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 342

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800342

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 343

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800343

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Thyroid Gland	C Cell	Adenoma
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**PRIMARY CAUSE OF DEATH**

-

Animal Note: NO CORRESP LESION FOR STOMACH NODULE SEEN AT TRIM

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:07

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 344

TRT#: 6

SEX: Female

DAY ON TEST: 92

DOSE: 150 PPM

DISP: Scheduled Sacrifice

HISTO: 8800344

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Bone                    | * Bone Marrow               |
| * Brain                  | Clitoral Gland             | * Esophagus               | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Liver                  | * Lung                     | * Lymph Node, Mesenteric  | * Mammary Gland             |
| * Nose                   | * Pancreas                 | * Parathyroid Gland       | * Peripheral Nerve          |
| * Pituitary Gland        | * Salivary Glands          | * Skin                    | * Spinal Cord               |
| * Spleen                 | * Stomach, Forestomach     | * Stomach, Glandular      | * Thymus                    |
| * Thyroid Gland          | * Trachea                  | * Urinary Bladder         | * Uterus                    |

OBSERVATIONS

- |  |              |             |                    |
|--|--------------|-------------|--------------------|
| * Lymph Node, Mandibular<br>[ Hyperplasia TGLS = 1-7 ] |              | Hyperplasia | Lymphoid, Moderate |
| * Ovary  | Interstitial | Hyperplasia | Minimal            |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 345	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 456
	<b>DOSE:</b> 150 PPM	<b>DISP:</b> Scheduled Sacrifice	<b>HISTO:</b> 8800345

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

---

**OBSERVATIONS**

Clitoral Gland		Inflammation	Chronic Active, Mild
* Liver			
Note: NO CORRESP LESION FOR LIVER NODULE AND FOCUS SEEN AT Note: NECROPSY AND TRIM			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 1-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 346	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 456
	<b>DOSE:</b> 150 PPM	<b>DISP:</b> Scheduled Sacrifice	<b>HISTO:</b> 8800346

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	[ Hepatodiaphragmatic Nodule TGLS = 1-13 ]		
* Pancreas	Acinus	Atrophy	Minimal
* Spinal Cord		Cyst	
* Thyroid Gland	C Cell	Hyperplasia	Mild

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 347

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 457

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800347

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:07

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 348

TRT#: 6

SEX: Female

DAY ON TEST: 92

DOSE: 150 PPM

DISP: Scheduled Sacrifice

HISTO: 8800348

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

- |         |              |             |         |
|---------|--------------|-------------|---------|
| * Ovary | Interstitial | Hyperplasia | Minimal |
|---------|--------------|-------------|---------|

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 349

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 278

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800349

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:07

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 350

TRT#: 6

SEX: Female

DAY ON TEST: 456

DOSE: 150 PPM

DISP: Scheduled Sacrifice

HISTO: 8800350

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver			
Note: NO CORRESP LESION FOR LIVER NODULE SEEN AT NECROPSY			
* Pituitary Gland	Pars Distalis	Cyst	
		Pigmentation	Hemosiderin, Mild
* Thyroid Gland	Follicle	Adenoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 351

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 274

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800351

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:07

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 352

TRT#: 6

SEX: Female

DAY ON TEST: 274

DOSE: 150 PPM

DISP: Scheduled Sacrifice

HISTO: 8800352

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Brain
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Ovary
- \* Pituitary Gland
- \* Spleen
- \* Thyroid Gland

- \* Adrenal Medulla
- Clitoral Gland
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Trachea

- \* Bone
- \* Esophagus
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Parathyroid Gland
- \* Skin
- \* Stomach, Glandular
- \* Urinary Bladder

- \* Bone Marrow
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Nose
- \* Peripheral Nerve
- \* Spinal Cord
- \* Thymus
- \* Uterus

OBSERVATIONS

- \* Kidney Nephropathy
- \* Liver Hepatodiaphragmatic Nodule

Minimal

[ Hepatodiaphragmatic Nodule TGLS = 1-13 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 353

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 457

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800353

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 354

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 97

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800354

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 355

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 278

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800355

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 356

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 274

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800356

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Adrenal Cortex	Vacuolization Cytoplasmic	Minimal
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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 357

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 274

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800357

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Cortex	Hyperplasia	Mild
* Kidney	Nephropathy	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 358

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 274

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800358

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart		Degeneration	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Ovary	Interstitialium	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 359

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 274

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800359

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Medulla  
Clitoral Gland  
\* Intestine Large, Colon  
\* Intestine Small, Jejunum  
\* Lung  
\* Ovary  
\* Pituitary Gland  
\* Spleen  
\* Thyroid Gland

\* Bone  
\* Esophagus  
\* Intestine Large, Rectum  
\* Islets, Pancreatic  
\* Lymph Node, Mesenteric  
\* Pancreas  
\* Salivary Glands  
\* Stomach, Forestomach  
\* Trachea

\* Bone Marrow  
\* Heart  
\* Intestine Small, Duodenum  
\* Kidney  
\* Mammary Gland  
\* Parathyroid Gland  
\* Skin  
\* Stomach, Glandular  
\* Urinary Bladder

\* Brain  
\* Intestine Large, Cecum  
\* Intestine Small, Ileum  
\* Liver  
\* Nose  
\* Peripheral Nerve  
\* Spinal Cord  
\* Thymus  
\* Uterus

**MISSING**

\* Lymph Node, Mandibular

**OBSERVATIONS**

\* Adrenal Cortex

Mineralization  
Vacuolization Cytoplasmic

Mild  
Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 360

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 150 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800360

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 361

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 274

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800226

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Ovary	Interstitialium	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 362

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 274

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800227

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	
[ Hepatodiaphragmatic Nodule TGLS = 1-13 ]			
* Ovary	Interstitial	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 363

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800228

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Kidney		Nephropathy	Minimal
* Ovary	Interstitial	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:07

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 364

TRT#: 8

SEX: Female

DAY ON TEST: 274

DOSE: 300 PPM

DISP: Scheduled Sacrifice

HISTO: 8800229

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- Clitoral Gland
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Trachea

- \* Bone
- \* Esophagus
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Skin
- \* Stomach, Glandular
- \* Urinary Bladder

- \* Bone Marrow
- \* Heart
- \* Intestine Small, Duodenum
- \* Liver
- \* Mammary Gland
- \* Peripheral Nerve
- \* Spinal Cord
- \* Thymus
- \* Uterus

- \* Brain
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Nose
- \* Pituitary Gland
- \* Spleen
- \* Thyroid Gland

OBSERVATIONS

- \* Adrenal Cortex
- \* Kidney
- \* Ovary

Interstitialium

Vacuolization Cytoplasmic  
Nephropathy  
Hyperplasia

Minimal  
Minimal  
Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 365	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 456
	<b>DOSE:</b> 300 PPM	<b>DISP:</b> Scheduled Sacrifice	<b>HISTO:</b> 8800230

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
Clitoral Gland		Inflammation	Chronic Active, Minimal
* Kidney		Nephropathy	Minimal
* Ovary	Follicle	Cyst	
	Interstitialium	Hyperplasia	Minimal
[ Cyst TGLS = 1-12 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 366

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800231

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Salivary Glands	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Ovary	Interstitial	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:07

First Dose M/F: NA / NA

Lab: BAT

**ANIMAL ID:** 367

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800232

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- \* Adrenal Medulla
- Clitoral Gland
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lung
- \* Nose
- \* Pituitary Gland
- \* Spleen
- \* Thyroid Gland

- \* Bone
- \* Esophagus
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Trachea

- \* Bone Marrow
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Skin
- \* Stomach, Glandular
- \* Urinary Bladder

- \* Brain
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Liver
- \* Mammary Gland
- \* Peripheral Nerve
- \* Spinal Cord
- \* Thymus
- \* Uterus

**OBSERVATIONS**

- \* Adrenal Cortex
- \* Ovary

Interstitialium

Vacuolization Cytoplasmic  
Hyperplasia

Minimal  
Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 368

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 274

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800233

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart		Degeneration	Minimal
* Liver		Basophilic Focus	
[ Basophilic Focus TGLS = 1-13 ]			
* Ovary	Interstitial	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:07

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 369

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 300 PPM

DISP: Scheduled Sacrifice

HISTO: 8800234

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | * Bone                      | * Bone Marrow            | * Brain                    |
| Clitoral Gland            | * Esophagus                 | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Liver                  | * Lung                     |
| * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Mammary Gland          | * Nose                     |
| * Pancreas                | * Parathyroid Gland         | * Peripheral Nerve       | * Pituitary Gland          |
| * Salivary Glands         | * Skin                      | * Spinal Cord            | * Spleen                   |
| * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                 | * Thyroid Gland            |
| * Trachea                 | * Urinary Bladder           | * Uterus                 |                            |

OBSERVATIONS

- |                  |              |                           |         |
|------------------|--------------|---------------------------|---------|
| * Adrenal Cortex |              | Vacuolization Cytoplasmic | Mild    |
| * Heart          | Myocardium   | Degeneration              | Minimal |
| * Ovary          | Interstitial | Hyperplasia               | Minimal |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 370

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 274

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800235

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Salivary Glands	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Ovary	Interstitial	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03  
Test Type: CHRONIC  
Route: DOSED FEED  
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Tricresyl phosphate  
CAS Number: 1330-78-5

Date Report Requested: 10/22/2014  
Time Report Requested: 21:20:07  
First Dose M/F: NA / NA  
Lab: BAT

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ANIMAL ID: 371	TRT#: 8 DOSE: 300 PPM	SEX: Female DISP: Scheduled Sacrifice	DAY ON TEST: 456 HISTO: 8800236
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

---

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Ovary	Interstitial	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Cyst	
[ Cyst TGLS = 1-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

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PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 372

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 97

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800237

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 373

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 274

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800238

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Kidney		Nephropathy	Minimal
* Liver			
Note: NO CORRESP LESION FOR NODULE OF LEFT LATERAL LOBE AND			
Note: DEFORMITY OF CAUDATE LOBE SEEN AT NECROPSY			
* Ovary		Cyst	
	Interstitialium	Hyperplasia	Minimal
[ Cyst TGLS = 1-12 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 374

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800239

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Salivary Glands	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Ovary	Interstitial	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 375	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 300 PPM	<b>DISP:</b> Scheduled Sacrifice	<b>HISTO:</b> 8800240

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Salivary Glands	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

---

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Ovary	Interstitial	Hyperplasia	Minimal

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 376

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800241

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart	Myocardium	Degeneration	Minimal
* Ovary	Interstitial	Hyperplasia	Minimal
* Skin		Trichoepithelioma	
[ Trichoepithelioma TGLS = 1-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 377

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 278

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800242

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 378	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> 300 PPM	<b>DISP:</b> Scheduled Sacrifice	<b>HISTO:</b> 8800243

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

---

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart		Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Ovary	Interstitialium	Hyperplasia	Minimal
* Pancreas		Inflammation	Chronic, Minimal

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 380

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800245

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Salivary Glands	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Ovary	Interstitial	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 381

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 278

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800246

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 382

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 97

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800247

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:07

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 383

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 300 PPM

DISP: Scheduled Sacrifice

HISTO: 8800248

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

\* Adrenal Medulla

Clitoral Gland

\* Intestine Large, Colon

\* Intestine Small, Jejunum

\* Lung

\* Nose

\* Pituitary Gland

\* Spleen

\* Thyroid Gland

\* Bone

\* Esophagus

\* Intestine Large, Rectum

\* Islets, Pancreatic

\* Lymph Node, Mandibular

\* Pancreas

\* Salivary Glands

\* Stomach, Forestomach

\* Trachea

\* Bone Marrow

\* Heart

\* Intestine Small, Duodenum

\* Kidney

\* Lymph Node, Mesenteric

\* Parathyroid Gland

\* Skin

\* Stomach, Glandular

\* Urinary Bladder

\* Brain

\* Intestine Large, Cecum

\* Intestine Small, Ileum

\* Liver

\* Mammary Gland

\* Peripheral Nerve

\* Spinal Cord

\* Thymus

\* Uterus

OBSERVATIONS

\* Adrenal Cortex

\* Ovary

Interstitialium

Vacuolization Cytoplasmic

Hyperplasia

Mild

Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 384

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 457

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800249

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 385

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 278

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800250

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 386

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 278

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800251

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 387

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 278

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800252

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 388

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 457

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800253

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 389

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 97

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800254

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 390

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800255

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Ovary	Interstitialium	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 391

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800256

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Salivary Glands	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
Clitoral Gland		Inflammation	Chronic Active, Minimal
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Nose		Inflammation	Suppurative, Mild
* Ovary	Interstitialium	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:07

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 392

TRT#: 8

SEX: Female

DAY ON TEST: 456

DOSE: 300 PPM

DISP: Scheduled Sacrifice

HISTO: 8800257

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | * Bone                    | * Bone Marrow               | * Brain                  |
| Clitoral Gland             | * Esophagus               | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Liver                  |
| * Lung                     | * Lymph Node, Mandibular  | * Mammary Gland             | * Nose                   |
| * Pancreas                 | * Parathyroid Gland       | * Peripheral Nerve          | * Pituitary Gland        |
| * Salivary Glands          | * Skin                    | * Spinal Cord               | * Spleen                 |
| * Stomach, Forestomach     | * Stomach, Glandular      | * Thymus                    | * Trachea                |
| * Urinary Bladder          | * Uterus                  |                             |                          |

MISSING

- \* Lymph Node, Mesenteric

OBSERVATIONS

- |                  |                 |                           |         |
|------------------|-----------------|---------------------------|---------|
| * Adrenal Cortex |                 | Vacuolization Cytoplasmic | Minimal |
| * Ovary          | Interstitialium | Hyperplasia               | Minimal |
| * Thyroid Gland  | C Cell          | Hyperplasia               | Mild    |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03

**Test Type:** CHRONIC

**Route:** DOSED FEED

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Tricresyl phosphate

**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 21:20:07

**First Dose M/F:** NA / NA

**Lab:** BAT

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**ANIMAL ID:** 393

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 457

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800258

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 394

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 274

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800259

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Liver		Inflammation	Granulomatous, Minimal
Note: NO CORRESP LESION FOR MEDIAN LIVER LOBE NODULE SEEN AT NECR			
* Ovary	Interstitial	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:07

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 395

TRT#: 8

SEX: Female

DAY ON TEST: 456

DOSE: 300 PPM

DISP: Scheduled Sacrifice

HISTO: 8800260

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
Clitoral Gland		Inflammation	Chronic Active, Mild
[ Inflammation TGLS = 1-12 ]			
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Ovary	Interstitial	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Cervix	Cyst	
		Dilatation	Minimal
[ Cyst TGLS = 2-12 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 396

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800261

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Salivary Glands	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Ovary		Cyst	
	Interstitial	Hyperplasia	Mild
[ Cyst TGLS = 1-12 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 397

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 457

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800262

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 398

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 97

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800263

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:07

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 399

TRT#: 8

SEX: Female

DAY ON TEST: 92

DOSE: 300 PPM

DISP: Scheduled Sacrifice

HISTO: 8800264

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- Clitoral Gland
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lung
- \* Nose
- \* Pituitary Gland
- \* Spleen
- \* Thyroid Gland

- \* Bone
- \* Esophagus
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Trachea

- \* Bone Marrow
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Skin
- \* Stomach, Glandular
- \* Urinary Bladder

- \* Brain
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Liver
- \* Mammary Gland
- \* Peripheral Nerve
- \* Spinal Cord
- \* Thymus

OBSERVATIONS

- \* Adrenal Cortex
- \* Ovary
- \* Uterus

Interstitial

Vacuolization Cytoplasmic  
 Hyperplasia  
 Dilatation

Mild  
 Mild  
 Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:07

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 400

TRT#: 8

SEX: Female

DAY ON TEST: 274

DOSE: 300 PPM

DISP: Scheduled Sacrifice

HISTO: 8800265

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- Clitoral Gland
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Skin
- \* Stomach, Glandular
- \* Urinary Bladder

- \* Bone
- \* Esophagus
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Peripheral Nerve
- \* Spinal Cord
- \* Thymus
- \* Uterus

- \* Bone Marrow
- \* Heart
- \* Intestine Small, Duodenum
- \* Lung
- \* Nose
- \* Pituitary Gland
- \* Spleen
- \* Thyroid Gland

- \* Brain
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Trachea

OBSERVATIONS

- \* Adrenal Cortex
- \* Kidney
- \* Liver
- \* Ovary

Interstitialium

- Vacuolization Cytoplasmic
- Nephropathy
- Inflammation
- Hyperplasia

- Minimal
- Minimal
- Granulomatous, Minimal
- Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 401

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800266

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Salivary Glands	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Liver			
Note: NO CORRESP LESION FOR LIVER NODULE SEEN AT TRIM			
* Ovary	Interstitialium	Hyperplasia	Minimal
* Uterus		Dilatation	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 402	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 274
	<b>DOSE:</b> 300 PPM	<b>DISP:</b> Scheduled Sacrifice	<b>HISTO:</b> 8800267

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

---

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart		Degeneration	Minimal
* Ovary	Interstitialium	Hyperplasia	Minimal

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 403

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800268

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
Clitoral Gland		Inflammation	Chronic Active, Minimal
* Liver		Mixed Cell Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 1-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 404

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800269

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Ovary	Interstitial	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 405

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 457

**DOSE:** 300 PPM

**DISP:** Scheduled Sacrifice

**HISTO:** 8800270

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

\* Peripheral Nerve

\* Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 406

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 274

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800136

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large, Cecum
Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum
Intestine Small, Jejunum	Islets, Pancreatic	Kidney	Liver
Lung	Lymph Node, Mandibular	Lymph Node, Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skin	Spinal Cord	Spleen
Stomach, Forestomach	Stomach, Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

**OBSERVATIONS**

Clitoral Gland		Inflammation	Chronic, Minimal
Ovary	Interstitial	Hyperplasia	Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 407

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 457

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800137

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Peripheral Nerve

Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 408

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 278

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800138

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Peripheral Nerve

Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 409

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800139

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Heart
Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum
Intestine Small, Ileum	Intestine Small, Jejunum	Islets, Pancreatic	Kidney
Liver	Lung	Lymph Node, Mandibular	Lymph Node, Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Salivary Glands
Skin	Spinal Cord	Spleen	Stomach, Forestomach
Stomach, Glandular	Thymus	Trachea	Urinary Bladder

**OBSERVATIONS**

Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus		Polyp Stromal	

[ Polyp Stromal TGLS = 1-12 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 410	<b>TRT#:</b> 10	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 456
	<b>DOSE:</b> 600 PPM 23 STOP	<b>DISP:</b> Scheduled Sacrifice	<b>HISTO:</b> 8800140

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large, Cecum
Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum
Intestine Small, Jejunum	Islets, Pancreatic	Kidney	Liver
Lung	Lymph Node, Mandibular	Lymph Node, Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Salivary Glands	Skin
Spinal Cord	Spleen	Stomach, Forestomach	Stomach, Glandular
Thymus	Trachea	Urinary Bladder	Uterus

---

**OBSERVATIONS**

Heart	Myocardium	Degeneration	Minimal
Thyroid Gland	C Cell	Hyperplasia	Mild

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 411

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 274

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800141

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 412

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 97

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800142

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Peripheral Nerve

Spinal Cord

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 413

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800143

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Medulla	Bone	Bone Marrow	Brain
Esophagus	Heart	Intestine Large, Cecum	Intestine Large, Colon
Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum
Islets, Pancreatic	Kidney	Liver	Lung
Lymph Node, Mandibular	Lymph Node, Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Salivary Glands	Skin	Spinal Cord
Spleen	Stomach, Forestomach	Stomach, Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

**OBSERVATIONS**

Adrenal Cortex		Hyperplasia	Minimal
Clitoral Gland		Inflammation	Chronic Active, Minimal
Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:07

First Dose M/F: NA / NA

Lab: BAT

**ANIMAL ID:** 414

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8600144

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Heart	Intestine Large, Cecum
Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum
Intestine Small, Jejunum	Islets, Pancreatic	Kidney	Liver
Lung	Lymph Node, Mandibular	Lymph Node, Mesenteric	Mammary Gland
Nose	Pancreas	Peripheral Nerve	Pituitary Gland
Salivary Glands	Skin	Spinal Cord	Spleen
Stomach, Forestomach	Stomach, Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Adrenal Cortex		Vacuolization Cytoplasmic	Mild
Ovary	Interstitialium	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 415

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 97

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800145

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Peripheral Nerve

Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 416

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 274

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800146

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Ovary	Interstitial	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 417

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800147

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Heart	Intestine Large, Cecum
Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum
Intestine Small, Jejunum	Islets, Pancreatic	Kidney	Liver
Lung	Lymph Node, Mandibular	Lymph Node, Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Salivary Glands	Skin	Spinal Cord
Spleen	Stomach, Forestomach	Stomach, Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

**OBSERVATIONS**

Adrenal Cortex		Vacuolization Cytoplasmic	Mild
Ovary	Interstitial	Hyperplasia	Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 418

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8600148

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Ovary	Interstitialium	Hyperplasia	Mild
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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 419

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8600149

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Heart	Intestine Large, Cecum
Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum
Intestine Small, Jejunum	Islets, Pancreatic	Kidney	Liver
Lung	Lymph Node, Mandibular	Lymph Node, Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Salivary Glands	Skin	Spinal Cord
Spleen	Stomach, Forestomach	Stomach, Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

**OBSERVATIONS**

Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
Ovary	Interstitial	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 420

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 274

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800150

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:07

First Dose M/F: NA / NA

Lab: BAT

**ANIMAL ID:** 421

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800151

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large, Cecum
Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum
Intestine Small, Jejunum	Islets, Pancreatic	Kidney	Liver
Lung	Lymph Node, Mandibular	Lymph Node, Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skin	Spinal Cord
Spleen	Stomach, Forestomach	Stomach, Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

**OBSERVATIONS**

Clitoral Gland		Inflammation	Chronic Active, Minimal
Pituitary Gland	Pars Distalis	Cyst	
Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 422

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 97

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800152

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Peripheral Nerve

Spinal Cord

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:07

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 423

TRT#: 10

SEX: Female

DAY ON TEST: 456

DOSE: 600 PPM 23 STOP

DISP: Scheduled Sacrifice

HISTO: 8800153

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Thyroid Gland	C Cell	Hyperplasia	Mild
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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 424

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 457

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800154

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Peripheral Nerve

Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 425

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8600155

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Heart	Intestine Large, Cecum
Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum
Intestine Small, Jejunum	Islets, Pancreatic	Kidney	Liver
Lung	Lymph Node, Mandibular	Lymph Node, Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Salivary Glands	Skin	Spinal Cord
Spleen	Stomach, Forestomach	Stomach, Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

**OBSERVATIONS**

Adrenal Cortex		Vacuolization Cytoplasmic	Mild
Ovary	Interstitial	Hyperplasia	Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 426

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 278

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800156

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Peripheral Nerve

Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 427

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800157

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Heart	Intestine Large, Cecum
Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum
Intestine Small, Jejunum	Islets, Pancreatic	Kidney	Liver
Lung	Lymph Node, Mandibular	Lymph Node, Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Salivary Glands	Skin	Spinal Cord
Spleen	Stomach, Forestomach	Stomach, Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

**OBSERVATIONS**

Adrenal Cortex		Vacuolization Cytoplasmic	Mild
Ovary	Interstitial	Hyperplasia	Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 428

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 457

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800158

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Peripheral Nerve

Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 429

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 278

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800159

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Peripheral Nerve

Spinal Cord

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 430

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 97

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800160

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Peripheral Nerve

Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03

**Test Type:** CHRONIC

**Route:** DOSED FEED

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Tricresyl phosphate

**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 21:20:07

**First Dose M/F:** NA / NA

**Lab:** BAT

**ANIMAL ID:** 431

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800161

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Bone	Bone Marrow	Brain	Clitoral Gland
Esophagus	Heart	Intestine Large, Cecum	Intestine Large, Colon
Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum
Islets, Pancreatic	Kidney	Liver	Lung
Lymph Node, Mandibular	Lymph Node, Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Salivary Glands	Skin	Spinal Cord
Spleen	Stomach, Forestomach	Stomach, Glandular	Thymus
Trachea	Urinary Bladder		

**MISSING**

Adrenal Cortex	Adrenal Medulla
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**OBSERVATIONS**

Thyroid Gland	C Cell	Hyperplasia	Minimal
Uterus		Dilatation	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 432

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800162

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Heart	Intestine Large, Cecum
Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum
Intestine Small, Jejunum	Islets, Pancreatic	Kidney	Liver
Lung	Lymph Node, Mandibular	Lymph Node, Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Salivary Glands	Skin	Spinal Cord
Spleen	Stomach, Forestomach	Stomach, Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

**OBSERVATIONS**

Adrenal Cortex		Vacuolization Cytoplasmic	Mild
Ovary	Interstitial	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 433	<b>TRT#:</b> 10	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 422
	<b>DOSE:</b> 600 PPM 23 STOP	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 8800163

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Harderian Gland	Heart
Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum
Intestine Small, Ileum	Intestine Small, Jejunum	Islets, Pancreatic	Kidney
Lung	Lymph Node	Lymph Node, Mandibular	Lymph Node, Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Salivary Glands
Spinal Cord	Spleen	Stomach, Forestomach	Stomach, Glandular
Thymus	Trachea	Urinary Bladder	Uterus

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**OBSERVATIONS**

Adrenal Cortex		Hyperplasia	Mild
Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Hepatodiaphragmatic Nodule	Moderate
	[ Hepatodiaphragmatic Nodule TGLS = 3-4 ]		
	[ Hepatodiaphragmatic Nodule TGLS = 3-4 ]		
Skin		Inflammation	Chronic, Moderate
		Ulcer	Moderate
	[ Inflammation TGLS = 1-14 ]		
	[ Ulcer TGLS = 1-14 ]		
Thyroid Gland	C Cell	Hyperplasia	Minimal
Uterus			
Note: UTERUS IS PROLAPSED INTO VAGINA ON SLIDE #12			
Vagina		Inflammation	Marked
	[ Inflammation TGLS = 2-13 ]		

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**PRIMARY CAUSE OF DEATH** -

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Animal Note: C O MORB: UTERINE AND VAGINAL PROLAPSE

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 434

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800164

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Heart	Intestine Large, Cecum
Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum
Intestine Small, Jejunum	Islets, Pancreatic	Kidney	Liver
Lung	Lymph Node, Mandibular	Lymph Node, Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Salivary Glands	Skin	Spinal Cord
Spleen	Stomach, Forestomach	Stomach, Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

**OBSERVATIONS**

Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
Ovary	Interstitial	Hyperplasia	Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 435

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800165

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal 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	Liver	Lung
Lymph Node, Mandibular	Lymph Node, Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skin	Spinal Cord	Spleen
Stomach, Forestomach	Stomach, Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

**MISSING**

Bone

**OBSERVATIONS**

Adrenal Cortex		Hyperplasia	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 1-7 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 436

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800166

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Heart
Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum
Intestine Small, Ileum	Intestine Small, Jejunum	Islets, Pancreatic	Kidney
Liver	Lung	Lymph Node, Mandibular	Lymph Node, Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skin	Spinal Cord
Spleen	Stomach, Forestomach	Stomach, Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

**OBSERVATIONS**

Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 1-13 ]			
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-7 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 437

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 457

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800167

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Peripheral Nerve

Spinal Cord

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 438

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8600168

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Adrenal Cortex		Vacuolization Cytoplasmic	Mild
Liver		Hepatodiaphragmatic Nodule	
[ Hepatodiaphragmatic Nodule TGLS = 1-13 ]			
Ovary	Interstitialium	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 439

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 278

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800169

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Peripheral Nerve

Spinal Cord

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 440	<b>TRT#:</b> 10	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 456
	<b>DOSE:</b> 600 PPM 23 STOP	<b>DISP:</b> Scheduled Sacrifice	<b>HISTO:</b> 8800170

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Heart
Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum
Intestine Small, Ileum	Intestine Small, Jejunum	Islets, Pancreatic	Kidney
Liver	Lung	Lymph Node, Mandibular	Lymph Node, Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skin
Spinal Cord	Spleen	Stomach, Forestomach	Stomach, Glandular
Thymus	Trachea	Urinary Bladder	Uterus

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**OBSERVATIONS**

Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 1-7 ]			
Thyroid Gland	C Cell	Hyperplasia	Mild

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 441

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 274

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800171

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Ovary	Interstitial	Hyperplasia	Minimal
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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 442

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 274

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800172

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Kidney	Nephropathy	Minimal
Liver	Inflammation	Granulomatous, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 443

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 457

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800173

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Peripheral Nerve

Spinal Cord

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 444

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 97

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800174

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Peripheral Nerve

Spinal Cord

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 445

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 278

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800175

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Peripheral Nerve

Spinal Cord

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 446

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 274

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800176

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Kidney	Nephropathy	Minimal
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**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 447

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 274

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800177

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Heart
Intestine Large, Cecum	Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum
Intestine Small, Jejunum	Islets, Pancreatic	Liver	Lung
Lymph Node, Mandibular	Lymph Node, Mesenteric	Mammary Gland	Nose
Pancreas	Peripheral Nerve	Pituitary Gland	Salivary Glands
Skin	Spinal Cord	Spleen	Stomach, Forestomach
Stomach, Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Intestine Large, Colon		Parasite Metazoan	
Kidney		Nephropathy	Minimal
Ovary	Interstitialium	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 448

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 274

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800178

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 449

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 274

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8800179

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Kidney	Nephropathy	Minimal
Liver	Hepatodiaphragmatic Nodule	

[ Hepatodiaphragmatic Nodule TGLS = 1-13 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 450

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 600 PPM 23 STOP

**DISP:** Scheduled Sacrifice

**HISTO:** 8600180

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Heart	Intestine Large, Cecum
Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum
Intestine Small, Jejunum	Islets, Pancreatic	Kidney	Liver
Lung	Lymph Node, Mandibular	Lymph Node, Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Salivary Glands	Skin	Spinal Cord
Spleen	Stomach, Forestomach	Stomach, Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

**OBSERVATIONS**

Adrenal Cortex		Vacuolization Cytoplasmic	Mild
Int Lg Rectum			
Note: NO CORRESP LESION FOR ENLARGED RECTUM SEEN AT TRIM			
Ovary	Interstitial	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:07

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 731

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 8800531

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-7 ]			
* Uterus	Endometrium	Hyperplasia	Marked
[ Hyperplasia TGLS = 1-13 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 732

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 537

**DOSE:** 0 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800532

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Mild
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Prolapse	

Note: UTERINE LESION WAS IDENTIFIED AT NECR AS A VAGINAL LESION

[ Prolapse TGLS = 1-13 ]

**PRIMARY CAUSE OF DEATH**

-

Animal Note: C O MORB: UTERINE PROLAPSE

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 733

**TRT#:** 2  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Moribund Sacrifice

**DAY ON TEST:** 722  
**HISTO:** 8800533

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Brain	Hypothalamus	Compression	
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 1-13 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-7 ]			

**PRIMARY CAUSE OF DEATH** -

Animal Note: C OF MORB: PITUITARY ADENOMA; MAMMARY FIBROADENOMA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 734

**TRT#:** 2  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 732  
**HISTO:** 8800534

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

**OBSERVATIONS**

Clitoral Gland

Note: SEEN AT NECROPSY

Note: NO CORRESP LESION FOR LEFT CLITORAL GLAND DISCOLORATION

\* Kidney

Nephropathy

Minimal

\* Liver

Leukemia Mononuclear

\* Ovary

Granulosa Cell Tumor Benign

Note: THE OVARIAN NEOPLASM SHOULD BE DESIGNATED AS A

Note: AVAILABLE

Note: SERTOLI CELL TUMOR, BUT THAT TERMINOLOGY IS NOT

[ Granulosa Cell Tumor Benign TGLS = 1-12 ]

\* Pancreas

Acinus

Atrophy

Minimal

\* Pituitary Gland

Pars Distalis

Adenoma

[ Adenoma TGLS = 3-7 ]

\* Spleen

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03  
Test Type: CHRONIC  
Route: DOSED FEED  
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Tricresyl phosphate  
CAS Number: 1330-78-5

Date Report Requested: 10/22/2014  
Time Report Requested: 21:20:07  
First Dose M/F: NA / NA  
Lab: BAT

ANIMAL ID: 735      TRT#: 2      SEX: Female      DAY ON TEST: 732  
DOSE: 0 PPM      DISP: Terminal Sacrifice      HISTO: 8800535

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Peripheral Nerve
* Salivary Glands	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart	Myocardium	Degeneration	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	[ Eosinophilic Focus TGLS = 2-4+14 ]		
* Mammary Gland		Fibroadenoma	
	[ Fibroadenoma TGLS = 1-13 ]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 736

**TRT#:** 2  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 732  
**HISTO:** 8800536

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

**MISSING**

\* Thymus

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart	Myocardium	Degeneration	Mild
* Kidney		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	

[ Leukemia Mononuclear TGLS = 1-13 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 737

**TRT#:** 2  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 732  
**HISTO:** 8800537

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

Clitoral Gland		Adenoma	
[ Adenoma TGLS = 2-12 ]			
Eye	Lens	Cataract	Marked
[ Cataract TGLS = 1-13 ]			
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Hepatodiaphragmatic Nodule	
[ Hepatodiaphragmatic Nodule TGLS = 3-14 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:07

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 738

TRT#: 2

SEX: Female

DAY ON TEST: 667

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 8800538

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Brain	Hypothalamus	Compression	
Clitoral Gl			
Note: NO CORRESP LESION FOR CLITORAL GL FOCUS SEEN AT NECR			
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 3-13 ]			
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Polyp Stromal	
Note: [ POLYP ] TGLs = 2-14			

PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: PITUITARY ADENOMA

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:07

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 739

TRT#: 2

DOSE: 0 PPM

SEX: Female

DISP: Natural Death

DAY ON TEST: 553

HISTO: 8800539

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- Clitoral Gland
- \* Intestine Large, Rectum
- \* Kidney
- \* Mammary Gland
- \* Parathyroid Gland
- \* Spinal Cord
- \* Thymus

- \* Adrenal Medulla
- \* Esophagus
- \* Intestine Small, Duodenum
- \* Lung
- \* Nose
- \* Peripheral Nerve
- \* Spleen
- \* Trachea

- \* Bone
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Ovary
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Urinary Bladder

- \* Bone Marrow
- \* Intestine Large, Colon
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Skin
- \* Stomach, Glandular
- \* Uterus

AUTO PRECLUDES DIAG.

- \* Intestine Small, Jejunum

OBSERVATIONS

* Brain	Hypothalamus	Compression	
* Heart	Myocardium	Degeneration	Minimal
* Liver		Mixed Cell Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: C O DEATH: PITUITARY ADENOMA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 740

**TRT#:** 2  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 732  
**HISTO:** 8800540

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Brain	Hypothalamus	Compression	
Clitoral Gl			
Note: NO CORRESPONDING LESION FOR RIGHT CLITORAL GLAND			
Note: DISCOLORATION SEEN AT NECROPSY			
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 741

**TRT#:** 2  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 732  
**HISTO:** 8800541

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Bone	* Bone Marrow	* Brain	Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
Clitoral Gl			
Note: NO CORRESP LESION FOR CLITORAL GLAND FOCUS SEEN AT NECR			
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:07

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 742

TRT#: 2

SEX: Female

DAY ON TEST: 619

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 8800542

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Brain	Hypothalamus	Compression	
Clitoral Gland		Abscess	Marked
[ Abscess TGLS = 1-14 ]			
* Kidney		Nephropathy	Minimal
* Liver		Mixed Cell Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-13 ]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: PITUITARY ADENOMA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 743

**TRT#:** 2  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 732  
**HISTO:** 8800543

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Mild
Clitoral Gland		Hyperplasia	Mild
[ Hyperplasia TGLS = 1-12 ]			
* Liver		Basophilic Focus	
[ Cyst TGLS = 5-14 ]		Cyst	
* Lung		Inflammation	Chronic, Minimal
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 3-13 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 4-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	
[ Polyp Stromal TGLS = 2-15 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:07

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 744

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 8800544

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Bone                    | * Bone Marrow               |
| * Brain                  | Clitoral Gland             | * Esophagus               | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lung                      |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Mammary Gland           | * Nose                      |
| * Ovary                  | * Pancreas                 | * Parathyroid Gland       | * Peripheral Nerve          |
| * Pituitary Gland        | * Salivary Glands          | * Skin                    | * Spinal Cord               |
| * Stomach, Forestomach   | * Stomach, Glandular       | * Thymus                  | * Trachea                   |
| * Urinary Bladder        |                            |                           |                             |

OBSERVATIONS

- |  |        |                            |                     |
|--|--------|----------------------------|---------------------|
| * Kidney                                   |        | Nephropathy                | Minimal             |
| * Liver                                    |        | Basophilic Focus           |                     |
|  |        | Hepatodiaphragmatic Nodule |                     |
|  |        | Leukemia Mononuclear       |                     |
| [ Hepatodiaphragmatic Nodule TGLS = 2-14 ] |        |                            |                     |
| * Spleen                                   |        | Inflammation               | Granulomatous, Mild |
|  |        | Leukemia Mononuclear       |                     |
| [ Inflammation TGLS = 1-13 ]               |        |                            |                     |
| * Thyroid Gland                            | C Cell | Hyperplasia                | Mild                |
| * Uterus                                   |        | Polyp Stromal              |                     |
| [ Polyp Stromal TGLS = 3-15 ]              |        |                            |                     |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 745

**TRT#:** 2  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 732  
**HISTO:** 8800545

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

**OBSERVATIONS**

Clitoral Gland [ Carcinoma TGLS = 1-13 ]		Carcinoma	
* Heart	Myocardium	Degeneration	Moderate
* Mammary Gland [ Fibroadenoma TGLS = 2-14 ]		Fibroadenoma	
* Pancreas	Acinus	Atrophy	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 746

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800546

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Brain	Hypothalamus	Compression	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Mammary Gland		Adenoma	Multiple
Note: NECROPSY AS A CLITORAL GLAND LESION			
Note: ONE OF THE MAMMARY GLAND ADENOMAS WAS IDENTIFIED AT [ Adenoma TGLS = 1,2-13+14 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 3-7 ]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 747

**TRT#:** 2  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 732  
**HISTO:** 8800547

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Bone	* Bone Marrow	* Brain	Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 2-4 ]			
* Lung		Inflammation	Chronic, Mild
Lymph Node	Mediastinal	Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 4-14 ]			
* Pancreas	Acinus	Atrophy	Mild
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1-13 ]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus			

Note: NO CORRESP LESION FOR RIGHT HORN DILATATION SEEN AT NECR

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 748

**TRT#:** 2  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 732  
**HISTO:** 8800548

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
Clitoral Gland		Inflammation	Chronic, Mild
[ Inflammation TGLS = 7-12 ]			
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Moderate
* Liver		Hepatodiaphragmatic Nodule	
[ Hepatodiaphragmatic Nodule TGLS = 6-17 ]			
* Mammary Gland		Fibroadenoma	Multiple
[ Fibroadenoma TGLS = 1,4,5-13+15+16 ]			
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 2-14 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 3-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 749

**TRT#:** 2  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 732  
**HISTO:** 8800549

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

Clitoral Gl  
Note: AT NECROPSY  
Note: NO CORRESP LESION FOR CLITORAL GLAND DISCOLORATION SEEN

* Heart	Myocardium	Degeneration	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Liver		Inflammation	Granulomatous, Moderate
[ Inflammation TGLS = 1-13 ]			
* Pituitary Gl			
Note: NO CORRESP LESION FOR PITUITARY CYST SEEN AT NECROPSY			
* Thyroid Gland	Bilateral, C Cell	Adenoma	
* Urin Bladder			
Note: NO CORRESP LESION FOR URINRY BLADD CALCULUS FOUND AT TRIM			
* Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 750

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800550

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Minimal
Clitoral Gland		Inflammation	Chronic, Mild
[ Inflammation TGLS = 1-12 ]			
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	
[ Hepatodiaphragmatic Nodule TGLS = 3-4 ]			
* Pituitary Gland			
Note: NO CORRESP LESION FOR PITUITARY FOCUS SEEN AT NECROPSY			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 751	<b>TRT#:</b> 2 <b>DOSE:</b> 0 PPM	<b>SEX:</b> Female <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 712 <b>HISTO:</b> 8800551
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

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**OBSERVATIONS**

* Brain	Hypothalamus	Compression	
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 1-13 ]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-14 ]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

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PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: PITUITARY ADENOMA

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:07

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 752

TRT#: 2

SEX: Female

DAY ON TEST: 488

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 8800552

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | * Bone                      | * Bone Marrow            | * Brain                    |
| Clitoral Gland            | * Esophagus                 | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Liver                  | * Lung                     |
| * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Mammary Gland          | * Nose                     |
| * Ovary                   | * Pancreas                  | * Parathyroid Gland      | * Peripheral Nerve         |
| * Pituitary Gland         | * Salivary Glands           | * Skin                   | * Spinal Cord              |
| * Spleen                  | * Stomach, Forestomach      | * Stomach, Glandular     | * Thymus                   |
| * Trachea                 | * Urinary Bladder           |                          |                            |

OBSERVATIONS

- |                          |            |              |         |
|--------------------------|------------|--------------|---------|
| * Adrenal Cortex         |            | Hyperplasia  | Minimal |
| * Heart                  | Myocardium | Degeneration | Minimal |
| Mesentery                | Fat        | Necrosis     | Mild    |
| [ Necrosis TGLS = 1-13 ] |            |              |         |
| * Thyroid Gland          | C Cell     | Hyperplasia  | Mild    |
| * Uterus                 |            | Prolapse     |         |

Note: UTERINE LESION WAS IDENTIFIED AT NECR AS A VAGINAL LESION

[ Prolapse TGLS = 2-12+14 ]

PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: UTERINE PROLAPSE

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 753

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800553

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 1-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 754

**TRT#:** 2  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 732  
**HISTO:** 8800554

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

**MISSING**

\* Thymus

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Mild
* Brain	Hypothalamus	Compression	
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 1-13 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Marked
* Uterus	Endometrium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 755

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 675

**DOSE:** 0 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800555

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Bone	* Bone Marrow	* Brain	Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Peripheral Nerve	* Salivary Glands	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex		Leukemia Mononuclear Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Leukemia Mononuclear	
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Infarct	Mild
		Leukemia Mononuclear	
		Nephropathy	Minimal
[ Infarct TGLS = 1-1 ]			
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 2-4 ]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3-2 ]			
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 4-7 ]			
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: MONONUCLEAR CELL LEUKEMIA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 756

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800556

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Bone	* Bone Marrow	* Brain	Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 1-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 757

**TRT#:** 2  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 732  
**HISTO:** 8800557

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Minimal
Clitoral Gland		Inflammation	Chronic, Minimal
[ Inflammation TGLS = 1-12 ]			
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Mixed Cell Focus	
[ Mixed Cell Focus TGLS = 4-13 ]			
* Lung		Alveolar/Bronchiolar Adenoma	
[ Alveolar/Bronchiolar Adenoma TGLS = 3-2 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 758

**TRT#:** 2  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 732  
**HISTO:** 8800558

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

**OBSERVATIONS**

Clitoral Gland [ Hyperplasia TGLS = 1-12 ]		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic, Minimal
* Mammary Gland [ Adenoma TGLS = 2-13 ]		Adenoma	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 759

**TRT#:** 2  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 732  
**HISTO:** 8800559

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 1-13 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 3-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Dilatation	Moderate
[ Dilatation TGLS = 2-12 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:08

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 760

TRT#: 2

SEX: Female

DAY ON TEST: 592

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 8800560

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Brain	Hypothalamus	Compression	
* Kidney		Nephropathy	Moderate
* Lung		Inflammation	Chronic, Minimal
* Mammary Gland		Fibroadenoma	Multiple
Note: SOME MAMMARY FIBROADENOMAS WERE IDENTIFIED AT NECROPSY			
Note: AS LESIONS OF THE MESENTERY AND INGUINAL LYMPH NODES			
[ Fibroadenoma TGLS = 1,2,4-7+13+14+16 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 3-15 ]			

PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: PITUITARY ADENOMA AND MAMMARY FIBROADENOMA

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:08

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 761

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 8800561

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

\* Mammary Gland

OBSERVATIONS

* Heart	Myocardium	Degeneration Leukemia Mononuclear	Minimal
* Kidney		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1-4 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-7 ]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 762

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800562

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

Clitoral Gland [ Inflammation TGLS = 2-12 ]		Inflammation	Chronic, Mild
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Pituitary Gland [ Adenoma TGLS = 1-7 ]	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus [ Hyperplasia TGLS = 3-13 ]	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03  
Test Type: CHRONIC  
Route: DOSED FEED  
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Tricresyl phosphate  
CAS Number: 1330-78-5

Date Report Requested: 10/22/2014  
Time Report Requested: 21:20:08  
First Dose M/F: NA / NA  
Lab: BAT

ANIMAL ID: 763      TRT#: 2      SEX: Female      DAY ON TEST: 578  
DOSE: 0 PPM      DISP: Moribund Sacrifice      HISTO: 8800563

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Brain	Hypothalamus	Compression	
Clitoral Gl			
Note: NO CORRESP LESION FOR CLITORAL GLAND CYST SEEN AT NECROPSY			
* Kidney		Nephropathy	Marked
* Mammary Gland		Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 2-3+7+12+13 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 3-14 ]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: PITUITARY ADENOMA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 764

**TRT#:** 2  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Moribund Sacrifice

**DAY ON TEST:** 564  
**HISTO:** 8800564

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 1-13+14 ]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: MAMMARY FIBROADENOMA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 765

**TRT#:** 2  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 732  
**HISTO:** 8800565

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Mixed Cell Focus	
Note: NO CORRESP LESION FOR LIVER GRANULARITY SEEN AT TRIM			
* Pancreas	Acinus	Atrophy	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:08

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 766

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 8800566

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Heart	Myocardium	Degeneration	Minimal
* Liver		Basophilic Focus	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[ Hyperplasia TGLS = 1-7 ]			
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 767

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800567

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Moderate
		Vacuolization Cytoplasmic	Minimal
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 1-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Mild
[ Hyperplasia TGLS = 2-13 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:08

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 768

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 8800568

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Pancreas	Acinus	Atrophy	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus		Polyp Stromal	

[ Polyp Stromal TGLS = 1-13 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 769

**TRT#:** 2  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 732  
**HISTO:** 8800569

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Bone	* Bone Marrow	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
Clitoral Gland		Inflammation	Chronic, Mild
[ Inflammation TGLS = 1-12 ]			
* Heart	Myocardium	Degeneration	Minimal
* Liver		Basophilic Focus	
* Pituitary Gland		Cyst	
[ Cyst TGLS = 3-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Mild
[ Hyperplasia TGLS = 2-13 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 770

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 652

**DOSE:** 0 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800570

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Brain	Hypothalamus	Compression	
* Liver		Basophilic Focus	
[ Basophilic Focus TGLS = 3-4+13 ]			
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 1-14+15 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

**PRIMARY CAUSE OF DEATH**

-

Animal Note: C O MORB: MAMMARY FIBROADENOMA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 771

**TRT#:** 2  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Moribund Sacrifice

**DAY ON TEST:** 638  
**HISTO:** 8800571

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

**OBSERVATIONS**

* Brain	Hypothalamus	Compression	
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Mild
* Liver	Serosa	Basophilic Focus	
		Inflammation	Chronic, Minimal
[ Inflammation TGLS = 3-13 ]			
* Mammary Gland		Fibroadenoma	
Note: NECROPSY AS A SKIN AND CLITORAL GLAND LESION			
Note: THE LESION OF THE MAMMARY GLAND WAS DESCRIBED AT			
[ Fibroadenoma TGLS = 1,4-15+16 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-14 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

Animal Note: C O MORB: PITUITARY ADENOMA; MAMMARY FIBROADENOMA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 772

**TRT#:** 2  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:** 134  
**HISTO:** 8800572

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	* Kidney
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

**OBSERVATIONS**

* Intestine Large, Cecum [ Ulcer TGLS = 1,5-6+13,2-6 ]	Ulcer	Moderate
* Intestine Large, Colon [ Ulcer TGLS = 1,5-6+13,2-6 ]	Ulcer	Moderate
* Intestine Small, Ileum [ Ulcer TGLS = 4-6,3-6 ]	Ulcer	Moderate
* Intestine Small, Jejunum [ Ulcer TGLS = 4-6,3-6 ]	Ulcer	Moderate

**PRIMARY CAUSE OF DEATH** -

Animal Note: C O DEATH: ULCERS OF SMALL AND LARGE INTESTINE

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 773

**TRT#:** 2  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 732  
**HISTO:** 8800573

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Peripheral Nerve	* Salivary Glands
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Brain	Hypothalamus	Compression	
Clitoral Gland		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 1-13 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 774

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800574

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skin	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

**OBSERVATIONS**

Clitoral Gland [ Hyperplasia TGLS = 2-12 ]		Hyperplasia	Mild
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
Mesentery [ Necrosis TGLS = 3-13 ]	Fat	Necrosis	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland [ Adenoma TGLS = 1-7 ]	Pars Distalis	Adenoma	
* Spleen [ Fibrosis TGLS = 4-1 ]		Fibrosis	Minimal
		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 775

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 557

**DOSE:** 0 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800575

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 1-13 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: FIBROADENOMA OF MAMMARY GLAND

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 776

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800576

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Bone	* Bone Marrow	* Brain	Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

**MISSING**

\* Thymus

**OBSERVATIONS**

* Adrenal Cortex		Adenoma	
* Adrenal Medulla		Hyperplasia	Mild
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	[ Hepatodiaphragmatic Nodule TGLS = 1-4 ]		
* Skin		Squamous Cell Carcinoma	

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:08

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 777

TRT#: 2

SEX: Female

DAY ON TEST: 502

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 8800577

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Liver		Eosinophilic Focus
[ Eosinophilic Focus TGLS = 2,3-13+13A ]		
* Nose		Chondrosarcoma
Note: NASAL LESION WAS DESCRIBED AT NECROPSY AS A SKIN LESION		
[ Chondrosarcoma TGLS = 1,5-8+9 ]		
* Thyroid Gland	C Cell	Adenoma

PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: CHONDROSARCOMA OF NOSE

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 778

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 0 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800578

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skin	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Mild
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Moderate
* Liver		Leukemia Mononuclear	
* Lung		Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 1-7 ]			
* Spleen		Leukemia Mononuclear	
* Uterus	Endometrium	Hyperplasia	Minimal
[ Hyperplasia TGLS = 2-12 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:08

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 779

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 8800579

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
Clitoral Gland		Hyperplasia	Mild
* Heart	Myocardium	Degeneration	Minimal
* Liver		Basophilic Focus	
* Mammary Gland		Adenoma	
[ Adenoma TGLS = 1-13 ]			
* Stom Forestom			
Note: NO CORRESP LESION FOR NODULE OF FORESTOMACH			
Tooth	Gingiva	Squamous Cell Carcinoma	
[ Squamous Cell Carcinoma TGLS = 2-14 ]			

PRIMARY CAUSE OF DEATH

-

Animal Note: SEEN AT TRIM

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 780

**TRT#:** 2  
**DOSE:** 0 PPM

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 732  
**HISTO:** 8800580

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Bone		Osteopetrosis	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[ Basophilic Focus TGLS = 3-4+13 ]			
[ Mixed Cell Focus TGLS = 3-13 ]			
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 1-14 ]			
* Ovary		Adenoma	
[ Adenoma TGLS = 2-12 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 781

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 75 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800931

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Adrenal Cortex		Adenoma	
Clitoral Gl			
Note: NO CORRESP LESION FOR CLITORAL GL CYST SEEN AT TRIM			
* Heart	Myocardium	Degeneration	Moderate
* Liver		Basophilic Focus	
* Ovary		Cyst	
[ Cyst TGLS = 4-12 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 1-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Mild
[ Hyperplasia TGLS = 3-13 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:08

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 782

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO: 8800932

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Clitoral Gl

Note: NO CORRESP LESION FOR CLITORAL GLAND DISCOLORATION SEEN

Note: AT NECROPSY

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 783

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 75 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800933

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 1-13 ]			
* Ovary		Cyst	
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus	Cervix	Cyst	
	Endometrium	Hyperplasia	Minimal
[ Cyst TGLS = 2-14 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 784

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 75 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800934

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

**OBSERVATIONS**

Clitoral Gland			
Note: SEEN AT NECROPSY			
Note: NO CORRESP LESION FOR CLITORAL GLAND DISCOLORATION			
* Lung		Inflammation	Chronic, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Cyst	
[ Cyst TGLS = 1-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:08

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 785

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO: 8800935

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

Clitoral Gl

Note: NO CORRESP LESION FOR GREEN DISCOLORATION OF LEFT

Note: CLITORAL GLAND SEEN AT NECROPSY

Eye	Lens	Cataract	Moderate
[ Cataract TGLS = 1-15 ]			
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 4-14 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Polyp Stromal	
[ Polyp Stromal TGLS = 3-13 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:08

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 786

TRT#: 4

SEX: Female

DAY ON TEST: 687

DOSE: 75 PPM

DISP: Moribund Sacrifice

HISTO: 8800936

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | * Bone                      | * Bone Marrow            | * Brain                    |
| Clitoral Gland            | * Esophagus                 | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Liver                  | * Lung                     |
| * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Mammary Gland          | * Nose                     |
| * Ovary                   | * Pancreas                  | * Parathyroid Gland      | * Peripheral Nerve         |
| * Salivary Glands         | * Skin                      | * Spinal Cord            | * Spleen                   |
| * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                 | * Trachea                  |
| * Urinary Bladder         | * Uterus                    |                          |                            |

OBSERVATIONS

- |   |               |              |          |
|---|---------------|--------------|----------|
| * Adrenal Cortex                                      |               | Hyperplasia  | Mild     |
| * Heart   | Myocardium    | Degeneration | Minimal  |
| * Pituitary Gland                                     | Pars Distalis | Adenoma      |          |
| [ Adenoma TGLS = 2-7 ]                                |               |              |          |
| * Thyroid Gland                                       | C Cell        | Hyperplasia  | Moderate |
| Zymbal's Gland  |               | Carcinoma    |          |
| Note: ZYMBAL'S GLAND LESION WAS DESCRIBED AT NECROPSY |               |              |          |
| Note: AS A HARDERIAN GLAND LESION                     |               |              |          |
| [ Carcinoma TGLS = 1-13 ]                             |               |              |          |

PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: ZYMBAL'S GLAND CARCINOMA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 787

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 75 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800937

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Mild
* Brain	Hypothalamus	Compression	
* Kidney		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3-4 ]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Note: MESENTERIC LYMPH LESION WAS ORIGINALLY DESCRIBED AS A PANCREATIC LESION AT NECROPSY.			
[ Leukemia Mononuclear TGLS = 6-6 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 4-7 ]			
Skeletal Muscle		Hemangioma	
[ Hemangioma TGLS = 5-14 ]			
* Spleen		Fibrosis	Mild
[ Fibrosis TGLS = 2-13 ]			
[ Leukemia Mononuclear TGLS = 1-13 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 788

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 75 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800938

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
Eye		Hemorrhage	Moderate
[ Hemorrhage TGLS = 2-13 ]			
* Liver		Basophilic Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 1-7 ]			
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:08

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 789

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO: 8800939

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart	Myocardium	Degeneration	Mild
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic, Minimal
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 2-13 ]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 1-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:08

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 790

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO: 8800940

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 1-13 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-7 ]			
* Stomach, Glandular	Mucosa	Mineralization	Mild
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:08

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 791

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO: 8800941

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
Mesentery	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

Clitoral Gland		Inflammation	Chronic, Moderate
[ Inflammation TGLS = 1-12 ]			
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
* Lung		Inflammation	Chronic, Minimal
* Ovary		Granulosa-Theca Tumor Malignant	
[ Granulosa-Theca Tumor Malignant TGLS = 2-13 ]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 792

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 75 PPM

**DISP:** Natural Death

**HISTO:** 8800942

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Moderate
* Kidney		Leukemia Mononuclear Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3,4-4 ]			
* Lung		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 2-14 ]			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1-13 ]			

**PRIMARY CAUSE OF DEATH** -

Animal Note: C O DEATH: MONONUCLEAR CELL LEUKEMIA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 793

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 75 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800943

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

**OBSERVATIONS**

Clitoral Gland [ Adenoma TGLS = 2-12 ]		Adenoma	
* Heart	Myocardium	Degeneration	Minimal
* Liver		Basophilic Focus	
* Mammary Gland [ Fibroadenoma TGLS = 1-13 ]		Fibroadenoma	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 794

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 75 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800944

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
Clitoral Gland		Inflammation	Chronic, Moderate
[ Inflammation TGLS = 1-12 ]			
* Heart	Myocardium	Degeneration	Mild
	Artery	Inflammation	Chronic, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:08

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 795

TRT#: 4

DOSE: 75 PPM

SEX: Female

DISP: Natural Death

DAY ON TEST: 707

HISTO: 8800945

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

\* Intestine Small, Duodenum

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 8,9-4 ]			
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 2,3,4,5,7-7+13+14+15+16 ]			
[ Leukemia Mononuclear TGLS = 2,3,4,5,7-7+13+14+15+16 ]			
[ Leukemia Mononuclear TGLS = 2,3,4,5,7-7+13+14+15+16 ]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 2,3,4,5,7-7+13+14+15+16 ]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 2,3,4,5,7-7+13+14+15+16 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[ Adenoma TGLS = 1-7 ]			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 6-15 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03

**Test Type:** CHRONIC

**Route:** DOSED FEED

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Tricresyl phosphate

**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 21:20:08

**First Dose M/F:** NA / NA

**Lab:** BAT

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**ANIMAL ID:** 795

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 707

**DOSE:** 75 PPM

**DISP:** Natural Death

**HISTO:** 8800945

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

Animal Note: C OF DEATH: MONONUCLEAR CELL LEUKEMIA

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 796

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 75 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800946

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

**OBSERVATIONS**

Clitoral Gland [ Carcinoma TGLS = 1-12 ]		Carcinoma	
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Mammary Gland [ Fibroadenoma TGLS = 2-13 ]		Fibroadenoma	
* Pituitary Gland [ Adenoma TGLS = 3-7 ]	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 797

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 75 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800947

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	Harderian Gland
* 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	* Peripheral Nerve
* Salivary Glands	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Lung		Inflammation	Chronic, Mild
* Mammary Gland [ Fibroadenoma TGLS = 1,2-13+14 ]		Fibroadenoma	
* Pituitary Gland [ Adenoma TGLS = 3-7 ]	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:08

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 798

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO: 8800948

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Bone                      | * Bone Marrow            |
| * Brain                    | Clitoral Gland            | * Esophagus                 | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Lung                   |
| * Lymph Node, Mandibular   | * Lymph Node, Mesenteric  | * Nose                      | * Ovary                  |
| * Pancreas                 | * Parathyroid Gland       | * Peripheral Nerve          | * Pituitary Gland        |
| * Salivary Glands          | * Skin                    | * Spinal Cord               | * Spleen                 |
| * Stomach, Forestomach     | * Stomach, Glandular      | * Trachea                   | * Urinary Bladder        |
| * Uterus                   |                           |                             |                          |

MISSING

- \* Thymus

OBSERVATIONS

Clitoral GI

Note: AT NECROPSY

Note: NO CORRESP LESION FOR ENLARGED LEFT CLITORAL GLAND SEEN

- |                              |            |                  |      |
|------------------------------|------------|------------------|------|
| * Heart                      | Myocardium | Degeneration     | Mild |
| * Liver                      |            | Basophilic Focus |      |
| * Mammary Gland              |            | Fibroadenoma     |      |
| [ Fibroadenoma TGLS = 2-13 ] |            |                  |      |
| * Thyroid Gland              | C Cell     | Adenoma          |      |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 799

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 75 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800949

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Moderate
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Adenoma	

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 800

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 75 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800950

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Mild
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	
[ Hepatodiaphragmatic Nodule TGLS = 3-15 ]			
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 2-14 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 1-13 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 801

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 75 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800951

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

**MISSING**

\* Thymus

**OBSERVATIONS**

Clitoral Gland		Inflammation	Chronic, Mild
[ Inflammation TGLS = 3-12 ]			
* Heart	Myocardium	Degeneration	Minimal
* Liver		Hepatodiaphragmatic Nodule	
		Inflammation	Granulomatous, Mild
		Leukemia Mononuclear	
[ Hepatodiaphragmatic Nodule TGLS = 4-14 ]			
[ Inflammation TGLS = 4-14 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 1-13 ]			
* Spleen		Inflammation	Granulomatous, Mild
[ Inflammation TGLS = 2-1 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 802

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 75 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800952

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Minimal
* Lung		Inflammation	Chronic, Minimal
* Mammary Gland [ Fibroadenoma TGLS = 1,2-13+14 ]		Fibroadenoma	Multiple
* Pituitary Gland [ Hyperplasia TGLS = 3-7 ]	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Adenoma	

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 803

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 75 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800953

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Mild
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Mixed Cell Focus	
[ Mixed Cell Focus TGLS = 1-4 ]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Cyst	
[ Cyst TGLS = 2-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:08

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 804

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO: 8800954

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

\* Lymph Node, Mesenteric

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
Clitoral Gland		Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Kidney		Nephropathy	Minimal
* Mammary Gland		Fibroadenoma	Multiple
[ Fibroadenoma TGLS = 2,3-13+14 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 4-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 805

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 464

**DOSE:** 75 PPM

**DISP:** Natural Death

**HISTO:** 8800955

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Bone	* Bone Marrow	Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Salivary Glands	* Skin	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

**OBSERVATIONS**

* Adrenal Cortex		Leukemia Mononuclear Vacuolization Cytoplasmic	Minimal
[ Leukemia Mononuclear TGLS = 4-7,4-7 ]			
* Adrenal Medulla		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 4-7,4-7 ]			
* Brain		Leukemia Mononuclear	
* Heart	Myocardium	Degeneration	Minimal
* Liver		Hepatodiaphragmatic Nodule Leukemia Mononuclear	
[ Hepatodiaphragmatic Nodule TGLS = 2-13 ]			
* Lung		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3-2+3 ]			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1-1 ]			
* Stom Gland			
Note: THE ROUND CLEAR AREAS OF THE GLANDULAR STOMACH SEEN AT TRIM ARE A RESULT OF POSTMORTEM AUTOLYSIS AND NOT A LESION OF DISEASE.			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: C O DEATH: MONONUCLEAR CELL LEUKEMIA

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:08

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 806

TRT#: 4

SEX: Female

DAY ON TEST: 653

DOSE: 75 PPM

DISP: Moribund Sacrifice

HISTO: 8800956

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Bone                    | * Bone Marrow               |
| * Brain                  | Clitoral Gland             | * Esophagus               | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Lung                   | * Lymph Node, Mandibular   | * Lymph Node, Mesenteric  | * Nose                      |
| * Ovary                  | * Pancreas                 | * Parathyroid Gland       | * Peripheral Nerve          |
| * Salivary Glands        | * Skin                     | * Spinal Cord             | * Stomach, Forestomach      |
| * Stomach, Glandular     | * Thymus                   | * Trachea                 | * Urinary Bladder           |
| * Uterus                 |                            |                           |                             |

OBSERVATIONS

- |  |        |                            |      |
|--|--------|----------------------------|------|
| * Liver                                    |        | Basophilic Focus           |      |
|  |        | Hepatodiaphragmatic Nodule |      |
|  |        | Leukemia Mononuclear       |      |
| [ Hepatodiaphragmatic Nodule TGLS = 2-13 ] |        |                            |      |
| * Mammary Gland                            |        | Fibroadenoma               |      |
| [ Fibroadenoma TGLS = 1-14+15 ]            |        |                            |      |
| * Pituitary Gland                          |        | Cyst                       |      |
| [ Cyst TGLS = 3-7 ]                        |        |                            |      |
| * Spleen                                   |        | Leukemia Mononuclear       |      |
| * Thyroid Gland                            | C Cell | Hyperplasia                | Mild |

PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: MAMMARY GLAND FIBROADENOMA

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:08

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 807

TRT#: 4

SEX: Female

DAY ON TEST: 397

DOSE: 75 PPM

DISP: Moribund Sacrifice

HISTO: 8800957

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
		Vacuolization Cytoplasmic	Minimal
Eye	Cornea	Inflammation	Chronic, Mild
[ Inflammation TGLS = 2-13 ]			
* Kidney		Nephropathy	Minimal
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 4-15 ]			
* Nose		Inflammation	Suppurative, Moderate
* Skin		Inflammation	Chronic, Mild
[ Inflammation TGLS = 3-14 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
Tooth	Peridont Tiss	Inflammation	Chronic Active, Marked
Zymbal's Gland		Carcinoma	
Note: LESION OF THE EAR			
Note: ZYMBAL'S GLAND LESION WAS IDENTIFIED AT NECROPSY AS A			
[ Carcinoma TGLS = 1-16 ]			

PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: ZYMBAL'S GLAND CARCINOMA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 808

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 624

**DOSE:** 75 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800958

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Mild
* Heart	Myocardium	Degeneration	Mild
* Intestine Large, Rectum		Inflammation	Necrotizing, Moderate
[ Inflammation TGLS = 1-13 ]			
* Liver		Hepatodiaphragmatic Nodule	
[ Hepatodiaphragmatic Nodule TGLS = 2-4 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

Animal Note: C O MORB: RECTAL PROLAPSE

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 809

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 75 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800959

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Bone	* Bone Marrow	* Brain	Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skin	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Infarct	Moderate
Eye	Lens	Cataract	Moderate
[ Cataract TGLS = 1-14 ]			
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 4-4 ]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 5-2 ]			
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 2-15 ]			
* Pituitary Gland		Cyst	
[ Cyst TGLS = 6-7 ]			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3-13 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 810

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 75 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800960

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

**MISSING**

\* Thymus

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
Clitoral Gland		Inflammation	Chronic, Mild
[ Inflammation TGLS = 1-12 ]			
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Lung		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 811

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 75 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800961

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skin	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Minimal
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[ Basophilic Focus TGLS = 1-4 ]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Inflammation	Granulomatous, Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 812

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 75 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800962

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
Clitoral Gland	Bilateral	Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-7 ]			
[ Adenoma TGLS = 2-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 813

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 620

**DOSE:** 75 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800963

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Bone	* Bone Marrow	Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

**OBSERVATIONS**

* Adrenal Medulla		Pheochromocytoma Benign	
* Brain	Hypothalamus	Compression	
* Kidney		Nephropathy	Mild
* Liver		Fatty Change	Mild
		Hepatodiaphragmatic Nodule	
[ Hepatodiaphragmatic Nodule TGLS = 2-14 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 1-13 ]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

-

Animal Note: C O MORB: PITUITARY ADENOMA

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:08

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 814

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO: 8800964

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
Clitoral Gland	Bilateral	Adenoma	
[ Adenoma TGLS = 2-12 ]			
Eye	Lens	Cataract	Moderate
[ Cataract TGLS = 1-13 ]			
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 815

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 75 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800965

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

**MISSING**

\* Thymus

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
Clitoral Gland		Hyperplasia	Mild
* Heart	Myocardium	Degeneration	Moderate
* Kidney		Nephropathy	Minimal
* Pituitary Gland		Cyst	
[ Cyst TGLS = 1-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03  
Test Type: CHRONIC  
Route: DOSED FEED  
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Tricresyl phosphate  
CAS Number: 1330-78-5

Date Report Requested: 10/22/2014  
Time Report Requested: 21:20:08  
First Dose M/F: NA / NA  
Lab: BAT

ANIMAL ID: 816

TRT#: 4

SEX: Female

DAY ON TEST: 705

DOSE: 75 PPM

DISP: Moribund Sacrifice

HISTO: 8800966

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Brain	Hypothalamus	Compression	
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
[ Basophilic Focus TGLS = 3-14 ]			
[ Eosinophilic Focus TGLS = 3-14 ]			
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 1-13 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: PITUITARY ADENOMA; MAMMARY FIBROADENOMA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 817

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 75 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800967

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 818

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 75 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800968

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Spleen		Inflammation	Granulomatous, Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:08

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 819

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO: 8800969

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Peripheral Nerve
* Salivary Glands	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

**MISSING**

* Intestine Small, Jejunum	* Parathyroid Gland
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**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 820

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 75 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800970

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-7 ]			
* Stomach, Glandular	Mucosa	Mineralization	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
Tongue	Epithelium, Mucosa	Hyperplasia	Moderate
[ Hyperplasia TGLS = 1-13 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:08

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 821

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO: 8800971

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Mammary Gland		Hyperplasia	Cystic, Moderate
[ Hyperplasia TGLS = 2-7 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 1-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 822	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> 75 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 8800972

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Peripheral Nerve	* Salivary Glands	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

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**MISSING**

\* Parathyroid Gland

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**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	
[ Hepatodiaphragmatic Nodule TGLS = 1-13 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-7 ]			
* Thyroid Gland	C Cell	Adenoma	
	Follicle	Adenoma	

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:08

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 823

TRT#: 4

SEX: Female

DAY ON TEST: 705

DOSE: 75 PPM

DISP: Moribund Sacrifice

HISTO: 8800973

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood	* Bone
* Bone Marrow	Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

\* Spinal Cord

OBSERVATIONS

* Brain	Hypothalamus	Compression	
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Mixed Cell Focus	
[ Basophilic Focus TGLS = 4-4+16 ]			
[ Eosinophilic Focus TGLS = 4-4+16 ]			
[ Mixed Cell Focus TGLS = 4-4+16 ]			
* Mammary Gland		Fibroadenoma	Multiple
Note: SKIN LESIONS AT NECROPSY			
Note: MAMMARY GLAND LESIONS WERE ORIGINALLY DESCRIBED AS			
[ Fibroadenoma TGLS = 1,2-13+14 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 3-15 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 5-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03

**Test Type:** CHRONIC

**Route:** DOSED FEED

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Tricresyl phosphate

**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 21:20:08

**First Dose M/F:** NA / NA

**Lab:** BAT

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**ANIMAL ID:** 823

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 705

**DOSE:** 75 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800973

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Animal Note: C O MORB: PITUITARY ADENOMA; MAMMARY FIBROADENOMA

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:08

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 824

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 75 PPM

DISP: Terminal Sacrifice

HISTO: 8800974

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
Clitoral Gl			
Note: NO CORRESPONDING LESION FOR CLITORAL GLAND DISCOLORATION			
Note: SEEN AT NECROPSY			
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Ovary		Cyst	
[ Cyst TGLS = 2-12 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Cervix	Cyst	
[ Cyst TGLS = 3-13 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 825

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 558

**DOSE:** 75 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800975

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skin
* Spinal Cord	* Spleen	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Brain	Hypothalamus	Compression	
* Heart	Myocardium	Degeneration	Minimal
* Mammary Gland		Hyperplasia	Cystic, Moderate
[ Hyperplasia TGLS = 2-7 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 1-7 ]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
[ Hyperplasia TGLS = 3-13 ]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

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Animal Note: C O MORB: PITUITARY ADENOMA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 826

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 701

**DOSE:** 75 PPM

**DISP:** Natural Death

**HISTO:** 8800976

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Cortex	Vacuolization Cytoplasmic	Minimal
Clitoral Gl Note: NO CORRESP LESION FOR BILATERAL CLITORAL GLAND Note: ENLARGEMENT SEEN AT TRIM		
* Heart [ Histiocytic Sarcoma TGLS = 3-4 ]	Histiocytic Sarcoma	
* Kidney	Nephropathy	Minimal
* Liver	Fatty Change	Moderate
* Lung [ Histiocytic Sarcoma TGLS = 5-2+3 ]	Histiocytic Sarcoma	
Mesentery Note: MASS ORIGINALLY DESCRIBED AS UTERINE IN LOCATION Note: WAS DETERMINED AT HISTOLOGY EXAM TO BE MESENTERIC [ Histiocytic Sarcoma TGLS = 1,2-6+7+13+14 ]	Histiocytic Sarcoma	
* Pituitary Gl Note: NO CORRESP LESION FOR PITUITARY GL ENLARGEMENT Note: SEEN AT NECROPSY		

PRIMARY CAUSE OF DEATH -

Animal Note: C OF DEATH: HISTIOCYTIC SARCOMA, MULTIPLE ORGANS

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 827

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 75 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800977

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

**MISSING**

\* Thymus

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 1-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 828

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 75 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800978

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Peripheral Nerve	* Salivary Glands	* Skin	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 4-4 ]			
* Lung		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Moderate
[ Hyperplasia TGLS = 1-14 ]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 5-7 ]			
* Spleen		Fibrosis	Mild
[ Fibrosis TGLS = 3-13 ]			
[ Leukemia Mononuclear TGLS = 2-13 ]		Leukemia Mononuclear	

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 829

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 712

**DOSE:** 75 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800979

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

**MISSING**

\* Thymus

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Minimal
Clitoral Gland		Hyperplasia	Mild
[ Hyperplasia TGLS = 3-12 ]			
* Heart	Myocardium	Degeneration	Minimal
* Islets, Pancreatic		Carcinoma	
[ Carcinoma TGLS = 2-14 ]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 1-13 ]			
* Ovary		Cyst	
[ Cyst TGLS = 4-12 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 5-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: MAMMARY GLAND FIBROADENOMA

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03

**Test Type:** CHRONIC

**Route:** DOSED FEED

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Tricresyl phosphate

**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 21:20:08

**First Dose M/F:** NA / NA

**Lab:** BAT

**ANIMAL ID:** 830

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 75 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800980

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Peripheral Nerve
* Salivary Glands	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Liver		Basophilic Focus	
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 831

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 150 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800831

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 1-13 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus	Wall	Hyperplasia	Mild
[ Hyperplasia TGLS = 2-14 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 832

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 150 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800832

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Minimal
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Mixed Cell Focus	
[ Mixed Cell Focus TGLS = 1-13 ]			
* Pancreas	Acinus	Atrophy	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus		Polyp Stromal	

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 833

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 150 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800833

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Peripheral Nerve
* Salivary Glands	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Brain	Hypothalamus	Compression	
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 1-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 834	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 670
	<b>DOSE:</b> 150 PPM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 8800834

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skin	* Spinal Cord	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

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**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Mild
* Brain	Hypothalamus	Compression	
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Leukemia Mononuclear	
* Lung		Inflammation	Chronic, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 1-7 ]			
* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach		Ulcer	Marked
* Thyroid Gland	C Cell	Hyperplasia	Moderate

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**PRIMARY CAUSE OF DEATH** -

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Animal Note: C O MORB: PITUITARY ADENOMA

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 835

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 150 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800835

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Mild
* Liver		Basophilic Focus Eosinophilic Focus Mixed Cell Focus	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 1-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 836

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 150 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800836

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Mild
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Skin		Abscess	Moderate
[ Abscess TGLS = 1-13 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 837	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 150 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 8800837

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

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**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 1-13 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:08

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 838

TRT#: 6

SEX: Female

DAY ON TEST: 642

DOSE: 150 PPM

DISP: Natural Death

HISTO: 8800838

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart	Myocardium	Degeneration	Minimal
* Lung	[ Alveolar/Bronchiolar Carcinoma TGLS = 2,3-3+13 ]	Alveolar/Bronchiolar Carcinoma	
* Skin	Note: NO CORRESP LESION FOR RED SKIN SEEN AT NECROPSY		

PRIMARY CAUSE OF DEATH

-

Animal Note: C O DEATH: BRONCHIOLO-ALVEOLAR CARCINOMA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 839

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 712

**DOSE:** 150 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800839

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
	[ Basophilic Focus TGLS = 5-4+16 ]		
* Mammary Gland		Fibroadenoma	
	Note: THE MAMMARY GLAND FIBROADENOMA WAS ORIGINALLY IDENTIFIED AS A LEFT CLITORAL GLAND MASS		
	[ Fibroadenoma TGLS = 2,3-14+15 ]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[ Adenoma TGLS = 4-7 ]		
* Skin	Subcut Tiss	Fibrous Histiocytoma	
	Note: THE HISTIOCYTOMA OF THE SKIN WAS ORIGINALLY DESCRIBED AS A LESION OF THE CLITORAL GLAND		
	[ Fibrous Histiocytoma TGLS = 1-13 ]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

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Animal Note: C O MORB: MAMMARY GLAND FIBROADENOMA; FIBROUS HISTIOCYTOMA

Animal Note: OF SKIN

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:08

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 840

TRT#: 6

SEX: Female

DAY ON TEST: 670

DOSE: 150 PPM

DISP: Natural Death

HISTO: 8800840

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skin	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	
		[ Leukemia Mononuclear TGLS = 1-13 ]	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: C O DEATH: MONONUCLEAR CELL LEUKEMIA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 841

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 150 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800841

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

**OBSERVATIONS**

Clitoral Gland			
Note: NO CORRESP LESION FOR NODULE OF CLITORAL GLAND SEEN AT NECR			
* Heart	Myocardium	Degeneration	Minimal
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic, Mild
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 2-13 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	
[ Polyp Stromal TGLS = 3-14 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 842

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 150 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800842

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

**MISSING**

\* Thymus

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Liver		Leukemia Mononuclear	
* Ovary		Granulosa-Theca Tumor Benign	
[ Granulosa-Theca Tumor Benign TGLS = 2-12 ]			
* Spleen		Congestion	Moderate
		Leukemia Mononuclear	
[ Congestion TGLS = 1-13 ]			
[ Leukemia Mononuclear TGLS = 1-13 ]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 843

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 150 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800843

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
Clitoral Gland	Bilateral	Adenoma	
[ Adenoma TGLS = 1-14 ]			
* Heart	Myocardium	Degeneration	Moderate
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	
[ Polyp Stromal TGLS = 2-13 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 844

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 666

**DOSE:** 150 PPM

**DISP:** Natural Death

**HISTO:** 8800844

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Bone	* Bone Marrow	Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skin	* Spinal Cord
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

**MISSING**

* Intestine Small, Ileum	* Intestine Small, Jejunum	* Stomach, Forestomach
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**OBSERVATIONS**

* Adrenal Cortex		Leukemia Mononuclear Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart	Myocardium	Degeneration	Mild
* Kidney		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 4-4 ]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3-13 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 1-14 ]			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 2-1 ]			
* Stomach, Glandular		Ulcer	Moderate
[ Ulcer TGLS = 5-6+15 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03

**Test Type:** CHRONIC

**Route:** DOSED FEED

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Tricresyl phosphate

**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 21:20:08

**First Dose M/F:** NA / NA

**Lab:** BAT

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**ANIMAL ID:** 844

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 666

**DOSE:** 150 PPM

**DISP:** Natural Death

**HISTO:** 8800844

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Animal Note: C O DEATH: MONONUCLEAR CELL LEUKEMIA

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05100-03  
Test Type: CHRONIC  
Route: DOSED FEED  
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Tricresyl phosphate  
CAS Number: 1330-78-5

Date Report Requested: 10/22/2014  
Time Report Requested: 21:20:08  
First Dose M/F: NA / NA  
Lab: BAT

ANIMAL ID: 845

TRT#: 6

SEX: Female

DAY ON TEST: 705

DOSE: 150 PPM

DISP: Moribund Sacrifice

HISTO: 8800845

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
Clitoral Gland		Adenoma	
[ Adenoma TGLS = 3-14 ]			
* Heart	Myocardium	Degeneration	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 1-13 ]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: FIBROADENOMA OF MAMMARY GLAND

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 846

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 619

**DOSE:** 150 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800846

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skin	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

**AUTO PRECLUDES DIAG.**

* Intestine Large, Colon	* Intestine Small, Ileum	* Intestine Small, Jejunum
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**OBSERVATIONS**

* Kidney		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1-4 ]			
* Lung		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[ Hyperplasia TGLS = 3-7 ]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[ Polyp Stromal TGLS = 2-13 ]			

**PRIMARY CAUSE OF DEATH**

-

Animal Note: C O MORB: UTERINE POLYP; MONONUCLEAR CELL LEUKEMIA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 847	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 611
	<b>DOSE:</b> 150 PPM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 8800847

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	* Brain	Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

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**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
Blood		Anisocytosis	
		Polychromasia	
* Bone		Osteopetrosis	Mild
* Bone Marrow		Atrophy	Moderate
* Liver		Fatty Change	Moderate
		Pigmentation	Hemosiderin, Moderate
[ Fatty Change TGLS = 2-4 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[ Hyperplasia TGLS = 3-7 ]			
* Spleen		Erythrophagocytosis	Moderate
		Pigmentation	Hemosiderin, Mild
[ Erythrophagocytosis TGLS = 1-13 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

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**PRIMARY CAUSE OF DEATH**

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Animal Note: C O MORB: ATROPHY, BONE MARROW; ANEMIA

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:08

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 848

TRT#: 6

DOSE: 150 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 8800848

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart	Myocardium	Degeneration	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
[ Basophilic Focus TGLS = 3-4 ]			
[ Eosinophilic Focus TGLS = 3-4 ]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 1-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	
[ Polyp Stromal TGLS = 2-13 ]			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 849

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 150 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800849

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[ Hyperplasia TGLS = 1-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:08

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 850

TRT#: 6

SEX: Female

DAY ON TEST: 705

DOSE: 150 PPM

DISP: Moribund Sacrifice

HISTO: 8800850

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

Clitoral Gl

Note: NO CORRESP LESION FOR CLITORAL GLAND CYST SEEN AT NECROPSY

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung	Fat, Mediastinum	Necrosis	Mild
[ Necrosis TGLS = 3-14 ]			
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 2-13 ]			
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland		Cyst	
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	
[ Polyp Stromal TGLS = 4-15 ]			

PRIMARY CAUSE OF DEATH

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Animal Note: C O MORB: MAMMARY GLAND FIBROADENOMA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 851

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 705

**DOSE:** 150 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800851

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Mixed Cell Focus	
[ Mixed Cell Focus TGLS = 2-14 ]			
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 1-13 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Moderate

**PRIMARY CAUSE OF DEATH**

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Animal Note: C O MORB: MAMMARY GLAND FIBROADENOMA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 852	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 150 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 8800852

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

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**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
Clitoral Gland		Adenoma	
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 1-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:08

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 853

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 150 PPM

DISP: Terminal Sacrifice

HISTO: 8800853

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Mild
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Moderate
[ Fibroadenoma TGLS = 1,2-14+15 ]			
[ Hyperplasia TGLS = 3-13 ]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 4-7 ]			
* Thyroid Gland	Follicle	Adenoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 854	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 637
	<b>DOSE:</b> 150 PPM	<b>DISP:</b> Natural Death	<b>HISTO:</b> 8800854

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

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**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Mild
* Heart	Myocardium	Degeneration	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3-4 ]			
* Lung		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Cyst	
[ Cyst TGLS = 2-7 ]			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1-13 ]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

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**PRIMARY CAUSE OF DEATH** -

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Animal Note: C O DEATH: MONONUCLEAR CELL LEUKEMIA

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 855

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 150 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800855

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Mild
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 856

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 150 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800856

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Brain	Hypothalamus	Compression	
* Heart	Myocardium	Degeneration	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 1-13 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 857

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 653

**DOSE:** 150 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800857

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Brain	Hypothalamus	Compression	
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 1,2-7+14+15 ]			
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 5-13 ]			
* Ovary			
Note: NO CORRESP LESION FOR CYST OF RIGHT OVARY SEEN AT NECROPSY			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 4-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH** -

Animal Note: C O MORB: MAMMARY FIBROADENOMA; PITUITARY ADENOMA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 858

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 150 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800858

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Bone	* Bone Marrow	* Brain	Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 1-13 ]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 859

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 150 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800859

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Minimal
Clitoral Gland		Inflammation	Chronic, Mild
[ Inflammation TGLS = 2-12 ]			
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[ Hyperplasia TGLS = 1-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Mild
[ Hyperplasia TGLS = 3-13 ]			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 860	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 150 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 8800860

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

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**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Brain	Hypothalamus	Compression	
* Kidney		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 2-13 ]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 1-7 ]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Marked

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 861

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 150 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800861

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
[ Basophilic Focus TGLS = 2-4 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 1-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 862

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 722

**DOSE:** 150 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800862

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skin	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Minimal
Clitoral Gl			
Note: SEEN AT TRIM			
Note: NO CORRESP LESION FOR BILATERAL CLITORAL GL ENLARGEMENT			
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 6-4 ]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 7-17 ]			
* Mammary Gland		Fibroadenoma	Multiple
Note: THE MAMMARY GLAND FIBROADENOMAS WERE IDENTIFIED AT			
Note: NECROPSY AS SKIN MASSES			
[ Fibroadenoma TGLS = 1,2,3-13+14+15 ]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 4-7 ]			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 5-16 ]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03

**Test Type:** CHRONIC

**Route:** DOSED FEED

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Tricresyl phosphate

**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 21:20:08

**First Dose M/F:** NA / NA

**Lab:** BAT

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**ANIMAL ID:** 862

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 722

**DOSE:** 150 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800862

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Animal Note: FIBROADENOMAS

Animal Note: C O MORB: MONONUCLEAR CELL LEUKEMIA, MAMMARY GLAND

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 863

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 724

**DOSE:** 150 PPM

**DISP:** Natural Death

**HISTO:** 8800863

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

**MISSING**

\* Intestine Large, Rectum

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Mild
* Brain	Hypothalamus	Compression	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 1-7+13 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-14 ]			

**PRIMARY CAUSE OF DEATH**

-

Animal Note: FIBROADENOMA

Animal Note: C O DEATH: PITUITARY GLAND ADENOMA, MAMMARY GLAND

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:08

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 864

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 150 PPM

DISP: Terminal Sacrifice

HISTO: 8800864

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular	* Salivary Glands
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Heart	Myocardium	Degeneration	Minimal
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 1-13 ]			
* Pituitary Gland		Cyst	
[ Cyst TGLS = 2-7 ]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 865

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 150 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800865

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Salivary Glands	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

**MISSING**

\* Thymus

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Minimal
* Liver		Basophilic Focus	
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:08

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 866

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 150 PPM

DISP: Terminal Sacrifice

HISTO: 8800866

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Bone                    | * Bone Marrow               |
| * Brain                  | Clitoral Gland             | * Esophagus               | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lung                      |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Nose                    | * Ovary                     |
| * Pancreas               | * Parathyroid Gland        | * Peripheral Nerve        | * Pituitary Gland           |
| * Salivary Glands        | * Skin                     | * Spinal Cord             | * Spleen                    |
| * Stomach, Forestomach   | * Stomach, Glandular       | * Thymus                  | * Trachea                   |
| * Urinary Bladder        |                            |                           |                             |

OBSERVATIONS

- |  |        |                  |          |
|--|--------|------------------|----------|
| * Kidney   |        | Nephropathy      | Minimal  |
| * Liver  |        | Basophilic Focus |          |
| * Mammary Gland  |        | Fibroadenoma     |          |
| [ Fibroadenoma TGLS = 2-13 ]                                     |        |                  |          |
| * Skin   |        |                  |          |
| Note: NO SECTION OF SKIN NODULE WAS TAKEN DUE TO PROSECTOR ERROR |        |                  |          |
| * Thyroid Gland  | C Cell | Hyperplasia      | Moderate |
| * Uterus   |        | Polyp Stromal    |          |
| [ Polyp Stromal TGLS = 3-14 ]                                    |        |                  |          |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 867

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 705

**DOSE:** 150 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800867

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Salivary Glands	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Minimal
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Granulomatous, Mild
* Mammary Gland		Fibroadenoma	
Note: THE MAMMARY GLAND FIBROADENOMA WAS ORIGINALLY IDENTIFIED AT NECROPSY AS A SKIN MASS [ Fibroadenoma TGLS = 1-13 ]			
* Pancreas	Acinus	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Moderate

**PRIMARY CAUSE OF DEATH**

-

Animal Note: C O MORB: MAMMARY GLAND FIBROADENOMA

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:08

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 868

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 150 PPM

DISP: Terminal Sacrifice

HISTO: 8800868

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Clitoral Gl

Note: NO CORRESP LESION FOR CLITORAL GLAND DISCOLORATION

Note: SEEN AT NECROPSY

* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:08

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 869

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 150 PPM

DISP: Terminal Sacrifice

HISTO: 8800869

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

Clitoral Gland

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart	Myocardium	Degeneration	Minimal
* Liver		Fatty Change	Mild
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus		Leiomyosarcoma	
		Polyp Stromal	

[ Leiomyosarcoma TGLS = 1-13+14 ]

[ Polyp Stromal TGLS = 2-15 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:08

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 870

TRT#: 6

SEX: Female

DAY ON TEST: 624

DOSE: 150 PPM

DISP: Moribund Sacrifice

HISTO: 8800870

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
Clitoral Gl			
Note: NO CORRESP LESION FOR ENLARGED CLIT GL SEEN AT TRIM			
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 2-4 ]			
* Pancreas	Acinus	Atrophy	Minimal
Note: NO CORRESP LESION FOR YELLOW DISCOLORATION OF PANCREAS			
Note: SEEN AT NECROPSY			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1-1 ]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: MONONUCLEAR CELL LEUKEMIA

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:08

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 871

TRT#: 6

SEX: Female

DAY ON TEST: 372

DOSE: 150 PPM

DISP: Moribund Sacrifice

HISTO: 8800871

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Spinal Cord
* Spleen	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Skin		Fibrosarcoma	
[ Fibrosarcoma TGLS = 1-13 ]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
[ Hyperplasia TGLS = 2-14 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: FIBROSARCOMA OF SKIN

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 872	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 150 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 8800872

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

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**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	[ Hepatodiaphragmatic Nodule TGLS = 2-4 ]	Hepatodiaphragmatic Nodule	
* Mammary Gland		Fibroadenoma	
	[ Fibroadenoma TGLS = 1-13 ]		
* Pancreas	Acinus	Atrophy	Minimal
* Skin		Inflammation	Chronic, Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 873

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 697

**DOSE:** 150 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800873

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skin
* Spinal Cord	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Moderate
		Vacuolization Cytoplasmic	Minimal
* Heart	Myocardium	Degeneration	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 4-4 ]			
* Lung		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
Note: NECROPSY AS SKIN MASSES			
Note: MAMMARY GLAND FIBROADENOMAS WERE DESCRIBED AT			
[ Fibroadenoma TGLS = 2,3-14+15 ]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Cyst	
[ Cyst TGLS = 5-7 ]			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1-13 ]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
[ Hyperplasia TGLS = 6-16 ]			
* Stomach, Glandular		Ulcer	Mild
[ Ulcer TGLS = 7-16 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 873	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 697
	<b>DOSE:</b> 150 PPM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 8800873

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Thyroid Gland	C Cell	Hyperplasia	Mild
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PRIMARY CAUSE OF DEATH

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Animal Note: FIBROADENOMA

Animal Note: C O MORB: MONONUCLEAR CELL LEUKEMIA, MAMMARY GLAND

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 874	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 592
	<b>DOSE:</b> 150 PPM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 8800874

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

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**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Brain		Leukemia Mononuclear	
* Heart	Myocardium	Degeneration	Mild
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 1-13 ]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-14 ]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Dilatation	Mild

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**PRIMARY CAUSE OF DEATH** -

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Animal Note: C O MORB: PITUITARY ADENOMA; MAMMARY FIBROADENOMA

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 875

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 150 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800875

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

**OBSERVATIONS**

Clitoral Gl

Note: NO CORRESP LESION FOR CLITORAL GLAND DISCOLORATION SEEN

Note: AT NECROPSY

* Heart	Myocardium	Degeneration	Mild
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* Liver		Basophilic Focus	
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Note: NO CORRESP LESION FOR FOCUS OF RIGHT ANTERIOR LIVER LOBE

Note: [ HYPERPLASIA ] TGLs = 4-13

Mesentery	Fat	Necrosis	Mild
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[ Necrosis TGLS = 2-14 ]

* Pituitary Gland	Pars Distalis	Adenoma	
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[ Adenoma TGLS = 3-7 ]

* Thyroid Gland	C Cell	Hyperplasia	Moderate
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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 876

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 150 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800876

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

**MISSING**

\* Thymus

**OBSERVATIONS**

Clitoral Gland [ Inflammation TGLS = 1-12 ]		Inflammation	Chronic, Mild
* Heart	Myocardium	Degeneration	Moderate
* Intestine Large, Rectum		Parasite Metazoan	
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
[ Hepatodiaphragmatic Nodule TGLS = 3-14 ]			
* Mammary Gland [ Fibroadenoma TGLS = 2-13 ]		Fibroadenoma	
* Pituitary Gland [ Adenoma TGLS = 4-7 ]	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 877

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 150 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800877

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Mild
Clitoral Gland		Inflammation	Chronic, Mild
[ Inflammation TGLS = 2-12 ]			
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Ovary		Cyst	
[ Cyst TGLS = 1-12 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 3-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 878

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 150 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800878

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone Marrow	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

**MISSING**

\* Intestine Large, Rectum

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Mild
* Bone		Osteopetrosis	Moderate
Clitoral Gland		Adenoma	
[ Adenoma TGLS = 1-13 ]			
* Heart		Rhabdomyoma	
* Kidney		Nephropathy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 879

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 704

**DOSE:** 150 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800879

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Bone	* Bone Marrow	* Brain	Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Peripheral Nerve	* Salivary Glands	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Uterus		

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 2-4 ]			
* Lung		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 1-13 ]			
* Ovary			
Note: ONE OVARY WAS MISSING AT TRIM			
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03

**Test Type:** CHRONIC

**Route:** DOSED FEED

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Tricresyl phosphate

**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 21:20:08

**First Dose M/F:** NA / NA

**Lab:** BAT

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**ANIMAL ID:** 879

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 704

**DOSE:** 150 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800879

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Animal Note: C O MORB: MONONUCLEAR CELL LEUKEMIA

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 880

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 150 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800880

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Thymus	* Trachea	* Urinary Bladder	* Uterus

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Mild
* Liver		Basophilic Focus	
* Pituitary Gland		Cyst	
[ Cyst TGLS = 2-7 ]			
* Skin		Inflammation	Chronic, Mild
[ Inflammation TGLS = 1-12 ]			
* Stomach, Glandular	Mucosa	Mineralization	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03  
Test Type: CHRONIC  
Route: DOSED FEED  
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Tricresyl phosphate  
CAS Number: 1330-78-5

Date Report Requested: 10/22/2014  
Time Report Requested: 21:20:08  
First Dose M/F: NA / NA  
Lab: BAT

ANIMAL ID: 881

TRT#: 8

SEX: Female

DAY ON TEST: 667

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 8800731

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Salivary Glands	* Skin	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3,4-4+14 ]			
* Lung		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Mild
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 2-13 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	
[ Polyp Stromal TGLS = 1-12 ]			

PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: MONONUCLEAR CELL LEUKEMIA

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 882

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 670

**DOSE:** 300 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800732

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skin	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
* Brain		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
	[ Basophilic Focus TGLS = 5-14 ]		
	[ Leukemia Mononuclear TGLS = 3-4 ]		
* Lung		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
	Note: A SKIN MASS		
	Note: MAMMARY GLAND LESION WS DESCRIBED AT NECROPSY AS		
	[ Fibroadenoma TGLS = 1-13 ]		
* Ovary		Cyst	
	[ Cyst TGLS = 2-12 ]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[ Adenoma TGLS = 4-7 ]		
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	

**PRIMARY CAUSE OF DEATH**

-

Animal Note: C O MORB: MONONUCLEAR CELL LEUKEMIA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 882

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 670

**DOSE:** 300 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800732

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 883

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 653

**DOSE:** 300 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800733

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skin	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

**OBSERVATIONS**

* Adrenal Cortex		Leukemia Mononuclear Vacuolization Cytoplasmic	Minimal
Clitoral Gl			
Note: NO CORRESP LESION FOR LEFT CLITORAL GL ENLARGEMEBT SEEN			
Note: AT NECROPSY			
* Heart	Myocardium	Degeneration Leukemia Mononuclear	Minimal
* Kidney		Leukemia Mononuclear Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 4-4 ]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1,6-4+5+7+13 ]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1,6-4+5+7+13 ]			
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 2-16+17 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 5-15 ]			
* Ovary	Interstitial	Hyperplasia	Minimal
* Pituitary Gland		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 883	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 653
	<b>DOSE:</b> 300 PPM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 8800733

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Leukemia Mononuclear TGLS = 7-7 ]			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3-14 ]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

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PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: MONONUCLEAR CELL LEUKEMIA

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03  
Test Type: CHRONIC  
Route: DOSED FEED  
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Tricresyl phosphate  
CAS Number: 1330-78-5

Date Report Requested: 10/22/2014  
Time Report Requested: 21:20:08  
First Dose M/F: NA / NA  
Lab: BAT

ANIMAL ID: 884

TRT#: 8

SEX: Female

DAY ON TEST: 704

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 8800734

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1-4 ]			
* Lung		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Minimal
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 2-13 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: MONONUCLEAR CELL LEUKEMIA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 885

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 300 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800735

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Peripheral Nerve	* Salivary Glands	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Brain	Hypothalamus	Compression	
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
		[ Basophilic Focus TGLS = 5-16 ]	
		[ Eosinophilic Focus TGLS = 5-15 ]	
		[ Hepatodiaphragmatic Nodule TGLS = 4-15 ]	
* Mammary Gland		Fibroadenoma	Multiple
		Note: AT NECROPSY AS A SKIN MASS	
		Note: ONE OF THE MAMMARY GLAND FIBROADENOMAS WAS IDENTIFIED	
		[ Fibroadenoma TGLS = 1,3-13+14 ]	
* Ovary	Interstitial	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		[ Adenoma TGLS = 2-7 ]	
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 885

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 300 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800735

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 886

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 620

**DOSE:** 300 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800736

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Moderate
		Vacuolization Cytoplasmic	Minimal
* Brain	Hypothalamus	Compression	
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	[ Hepatodiaphragmatic Nodule TGLS = 4-16 ]		
* Mammary Gland		Hyperplasia	Cystic, Marked
	Note: AS TWO SKIN MASSES		
	Note: MAMMARY GLAND LESION WAS IDENTIFIED AT NECROPSY		
	[ Hyperplasia TGLS = 1-15 ]		
Mesentery	Fat	Necrosis	Mild
	[ Necrosis TGLS = 2-13 ]		
* Ovary	Interstitial	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[ Adenoma TGLS = 3-14 ]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH**

-

Animal Note: C O MORB: PITUITARY ADENOMA

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05100-03  
Test Type: CHRONIC  
Route: DOSED FEED  
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Tricresyl phosphate  
CAS Number: 1330-78-5

Date Report Requested: 10/22/2014  
Time Report Requested: 21:20:08  
First Dose M/F: NA / NA  
Lab: BAT

ANIMAL ID: 887

TRT#: 8

SEX: Female

DAY ON TEST: 558

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 8800737

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Brain	Hypothalamus	Compression	
Clitoral Gl			
Note: NO CORRESP LESION FOR CLITORAL GLAND NODULE SEEN AT TRIM			
* Heart	Myocardium	Degeneration	Minimal
* Nose		Inflammation	Necrotizing, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: PITUITARY ADENOMA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 888

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 699

**DOSE:** 300 PPM

**DISP:** Natural Death

**HISTO:** 8800738

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skin	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

**MISSING**

* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
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**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart	Myocardium	Degeneration	Mild
* Kidney		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 4-4 ]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3-14 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-7 ]			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1-13 ]			

**PRIMARY CAUSE OF DEATH**

-

Animal Note: C O DEATH: MONONUCLEAR CELL LEUKEMIA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 889

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 687

**DOSE:** 300 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800739

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal 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	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

**MISSING**

Clitoral Gland

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Bone		Osteosarcoma	
[ Osteosarcoma TGLS = 3-17 ]			
* Heart	Myocardium	Degeneration	Minimal
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 1-16 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-7 ]			

**PRIMARY CAUSE OF DEATH**

-

Animal Note: C O MORB: OSTEOSARCOMA AND MAMMARY GLAND FIBROADENOMA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 890

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 703

**DOSE:** 300 PPM

**DISP:** Natural Death

**HISTO:** 8800740

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

**MISSING**

\* Intestine Small, Jejunum

**AUTO PRECLUDES DIAG.**

\* Intestine Small, Ileum

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Moderate
		Vacuolization Cytoplasmic	Minimal
* Brain	Hypothalamus	Compression	
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 2-4 ]		
* Lung		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
	[ Adenoma TGLS = 4-7 ]		
* Spleen		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 1,3-13 ]		
* Thyroid Gland	C Cell	Adenoma	
	[ Adenoma TGLS = 5-7 ]		

**PRIMARY CAUSE OF DEATH**

-

Animal Note: C OF DEATH: MONONUCLEAR CELL LEUKEMIA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 891

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 300 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800741

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Peripheral Nerve	* Salivary Glands
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Brain	Hypothalamus	Compression	
Clitoral Gland		Inflammation	Chronic, Moderate
[ Inflammation TGLS = 1-12 ]			
* Heart	Myocardium	Degeneration	Moderate
* Kidney		Nephropathy	Mild
* Ovary	Interstitium	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:08

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 892

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 8800742

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | * Bone                    | * Bone Marrow               | * Brain                  |
| Clitoral Gland             | * Esophagus               | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Liver                     | * Lung                   |
| * Lymph Node, Mandibular   | * Lymph Node, Mesenteric  | * Mammary Gland             | * Nose                   |
| * Pancreas                 | * Parathyroid Gland       | * Peripheral Nerve          | * Salivary Glands        |
| * Skin                     | * Spinal Cord             | * Spleen                    | * Stomach, Forestomach   |
| * Stomach, Glandular       | * Thymus                  | * Thyroid Gland             | * Trachea                |
| * Urinary Bladder          | * Uterus                  |                             |                          |

OBSERVATIONS

- |                        |               |                           |         |
|------------------------|---------------|---------------------------|---------|
| * Adrenal Cortex       |               | Hyperplasia               | Minimal |
|                        |               | Vacuolization Cytoplasmic | Minimal |
| * Kidney               |               | Nephropathy               | Mild    |
| * Ovary                | Interstitial  | Hyperplasia               | Mild    |
| * Pituitary Gland      | Pars Distalis | Adenoma                   |         |
| [ Adenoma TGLS = 1-7 ] |               |                           |         |

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 893	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 300 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 8800743

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
Clitoral Gland		Adenoma	
[ Adenoma TGLS = 1-12 ]			
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Mixed Cell Focus	
[ Hepatodiaphragmatic Nodule TGLS = 3-4 ]			
* Mammary Gland		Fibroadenoma	
* Thyroid Gland	C Cell	Hyperplasia	Marked
* Uterus		Polyp Stromal	
[ Polyp Stromal TGLS = 2-13 ]			

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:08

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 894

TRT#: 8

SEX: Female

DAY ON TEST: 687

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 8800744

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Bone                    | * Bone Marrow               |
| * Brain                  | Clitoral Gland             | * Esophagus               | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Liver                  | * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    |
| * Nose                   | * Ovary                    | * Pancreas                | * Parathyroid Gland         |
| * Peripheral Nerve       | * Salivary Glands          | * Skin                    | * Spinal Cord               |
| * Spleen                 | * Stomach, Forestomach     | * Stomach, Glandular      | * Thymus                    |
| * Trachea                | * Urinary Bladder          | * Uterus                  |                             |

OBSERVATIONS

- |   |               |              |      |
|---|---------------|--------------|------|
| * Mammary Gland   |               | Fibroadenoma |      |
| Note: MAMMARY GLAND FIBROADENOMA WAS IDENTIFIED AT NECROPSY |               |              |      |
| Note: AS A SKIN MASS  |               |              |      |
| [ Fibroadenoma TGLS = 1-13 ]                                |               |              |      |
| * Pituitary Gland   | Pars Distalis | Adenoma      |      |
| [ Adenoma TGLS = 2-7 ]                                      |               |              |      |
| * Thyroid Gland   | C Cell        | Hyperplasia  | Mild |

PRIMARY CAUSE OF DEATH

-

Animal Note: C OF MORB: FIBROADENOMA OF MAMMARY GLAND

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:08

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 895

TRT#: 8

SEX: Female

DAY ON TEST: 564

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 8800745

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Brain	Hypothalamus	Compression	
* Heart	Myocardium	Degeneration	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Fatty Change	Mild
[ Basophilic Focus TGLS = 5-14 ]			
[ Eosinophilic Focus TGLS = 6-4 ]			
[ Fatty Change TGLS = 4,8-13 ]			
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 1,2-15+16+17 ]			
* Ovary		Cyst	
[ Cyst TGLS = 3-12 ]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 7-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: MAMMARY FIBROADENOMA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 896

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 300 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800746

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skin	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea		

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
* Brain	Hypothalamus	Compression	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3-4 ]			
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 4-14 ]			
* Ovary		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-7 ]			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1-13 ]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Urinary Bladder		Leukemia Mononuclear	
* Uterus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 897	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 300 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 8800747

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

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**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart	Myocardium	Degeneration	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
* Ovary		Granulosa Cell Tumor Benign	
* Pituitary Gland		Cyst	
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 898

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 300 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800748

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

**MISSING**

\* Thymus

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Moderate
		Vacuolization Cytoplasmic	Minimal
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	
[ Hepatodiaphragmatic Nodule TGLS = 2-4 ]			
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 1-13 ]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 3-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:08

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 899

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 8800749

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Peripheral Nerve
* Pituitary Gland	* Salivary Glands	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
[ Eosinophilic Focus TGLS = 2-13 ]			
* Ovary	Interstitial	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Polyp Stromal	
[ Polyp Stromal TGLS = 1-14 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 900

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 300 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800750

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Liver		Basophilic Focus	
Note: AT TRIM			
Note: NO CORRESP LESION FOR GRANULAR APPEARANCE OF LIVER SEEN			
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 1-13 ]			
* Ovary	Interstitialium	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 901

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 300 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800751

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Brain		Gliosis	Mild
Clitoral Gland		Adenoma	
[ Adenoma TGLS = 2-12 ]			
Eye		Synechia	Moderate
[ Synechia TGLS = 1-13 ]			
* Liver		Basophilic Focus	
* Pituitary Gland		Cyst	
[ Cyst TGLS = 3-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03

**Test Type:** CHRONIC

**Route:** DOSED FEED

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Tricresyl phosphate

**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 21:20:08

**First Dose M/F:** NA / NA

**Lab:** BAT

**ANIMAL ID:** 902

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 300 PPM

**DISP:** Accidentally Killed

**HISTO:** 8800752

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
		Vacuolization Cytoplasmic	Minimal
* Liver			
Note: NO CORRESP LESION FOR LEFT LATERAL LIVER LOBE			
Note: NODULE SEEN AT NECROPSY			

**PRIMARY CAUSE OF DEATH**

-  
Animal Note: C O DEATH: UNKNOWN ON BASIS OF HISTOLOGICAL EXAM,  
Animal Note: BUT THE RAT'S HISTORY SUGGESTS TRAUMATIC ACCIDENT

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:08

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 903

TRT#: 8

SEX: Female

DAY ON TEST: 625

DOSE: 300 PPM

DISP: Natural Death

HISTO: 8800753

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Malignant	
[ Pheochromocytoma Malignant TGLS = 2-7 ]			
* Heart	Myocardium	Degeneration	Mild
* Liver		Hepatodiaphragmatic Nodule	
[ Hepatodiaphragmatic Nodule TGLS = 4-13 ]			
* Lung		Pheochromocytoma Malignant	Metastatic (Adrenal Medulla)
* Nose		Hemorrhage	Moderate
* Ovary	Interstitial	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 3-7 ]			
* Skin	Subcut Tiss	Edema	Marked
[ Edema TGLS = 1-14 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: C O DEATH: MALIGNANT PHEOCHROMOCYTOMA

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:08

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 904

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 8800754

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Minimal
* Brain	Hypothalamus	Compression	
Clitoral Gl			
Note: AT NECROPSY			
Note: NO CORRESP LESION FOR CLITORAL GLAND DISCOLORATION SEEN			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 3-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	
[ Polyp Stromal TGLS = 2-13 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 905

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 300 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800755

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Minimal
* Heart	Myocardium	Degeneration	Minimal
* Liver		Mixed Cell Focus	
[ Mixed Cell Focus TGLS = 2-4 ]			
* Pituitary Gl			
Note: NO CORRESP LESION FOR PITUITARY FOCUS SEEN AT NECROPSY			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Dilatation	Mild
[ Dilatation TGLS = 1-12 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 906

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 300 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800756

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skin	* Spinal Cord
* Spleen	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Moderate
		Vacuolization Cytoplasmic	Minimal
Clitoral Gl			
Note: NO CORRESP LESION FOR GREEN DISCOLORATION OF			
Note: CLITORAL GLAND SEEN AT NECROPSY			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
Note: NO CORRESP LESION FOR THE GRANULAR APPEARANCE OF THE			
Note: LIVER SEEN AT TRIM			
[ Hepatodiaphragmatic Nodule TGLS = 4-4 ]			
* Ovary	Interstitium	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[ Hyperplasia TGLS = 2-7 ]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
[ Hyperplasia TGLS = 5-13 ]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:08

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 907

TRT#: 8

SEX: Female

DAY ON TEST: 24

DOSE: 300 PPM

DISP: Moribund Sacrifice

HISTO: 8800757

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

- |                                   |                    |      |
|-----------------------------------|--------------------|------|
| * Spleen                          | Depletion Lymphoid | Mild |
| [ Depletion Lymphoid TGLS = 4-1 ] |                    |      |

PRIMARY CAUSE OF DEATH

- 
- Animal Note: NO CORRESP LESION FOR LGE INTEST DILATATION SEEN AT NECR
- Animal Note: NO CORRESP LESION FOR SM INTEST DILATATION SEEN AT NECR
- Animal Note: NO CORRESP LESION FOR STOMACH DILATATION SEEN AT NECROPSY
- Animal Note: C O MORB: UNKNOWN

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 908

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 300 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800758

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Liver		Basophilic Focus	
[ Basophilic Focus TGLS = 2-4 ]			
* Lung		Alveolar/Bronchiolar Adenoma	
[ Alveolar/Bronchiolar Adenoma TGLS = 4-14 ]			
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 1-13 ]			
* Ovary	Interstitial	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 3-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 909	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 592
	<b>DOSE:</b> 300 PPM	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 8800759

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

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**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart	Myocardium	Degeneration	Minimal
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 1-13 ]			
* Pancreas	Acinus	Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

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PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: FIBROADENOMA OF MAMMMARY GLAND

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 910

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 300 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800760

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart	Myocardium	Degeneration	Minimal
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Mild
[ Inflammation TGLS = 4-15 ]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[ Hyperplasia TGLS = 1-7 ]			
* Spleen		Inflammation	Granulomatous, Mild
[ Inflammation TGLS = 3-14 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	
[ Polyp Stromal TGLS = 2-13 ]			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:08

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 911

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 8800761

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Liver		Basophilic Focus	
* Lung		Alveolar/Bronchiolar Carcinoma	
[ Alveolar/Bronchiolar Carcinoma TGLS = 1-2 ]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-7 ]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 912

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 550

**DOSE:** 300 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800762

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Bone	* Bone Marrow	* Brain	Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Peripheral Nerve
* Salivary Glands	* Skin	* Spinal Cord	* Stomach, Forestomach
* Thymus	* Trachea	* Urinary Bladder	

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex		Leukemia Mononuclear Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Nephropathy Hyperplasia Leukemia Mononuclear	Minimal Moderate
	[ Hyperplasia TGLS = 4,5-13 ]		
	[ Leukemia Mononuclear TGLS = 6-4+13 ]		
* Lung		Leukemia Mononuclear	
Mesentery		Hemorrhage	Mild
	[ Hemorrhage TGLS = 7-14 ]		
* Pituitary Gland		Cyst	
	[ Cyst TGLS = 3-7 ]		
* Spleen		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 1-1 ]		
* Stomach, Glandular		Ulcer	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	
	[ Polyp Stromal TGLS = 2-15 ]		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03

**Test Type:** CHRONIC

**Route:** DOSED FEED

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Tricresyl phosphate

**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 21:20:08

**First Dose M/F:** NA / NA

**Lab:** BAT

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**ANIMAL ID:** 912

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 550

**DOSE:** 300 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800762

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: MONONUCLEAR CELL LEUKEMIA

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 913

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 691

**DOSE:** 300 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800763

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

**MISSING**

\* Lymph Node, Mesenteric

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
* Heart	Myocardium	Degeneration	Minimal
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 2-13 ]			
* Pituitary Gland		Cyst	
* Skin	Subcut Tiss	Fibroma	
[ Fibroma TGLS = 1-14 ]			
* Thyroid Gland	C Cell	Adenoma	
[ Adenoma TGLS = 3-7 ]			

**PRIMARY CAUSE OF DEATH**

-

Animal Note: C O MORB: FIBROMA OF SKIN

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 914

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 659

**DOSE:** 300 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800764

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

**MISSING**

\* Thymus

**OBSERVATIONS**

* Brain		Leukemia Mononuclear	
* Liver		Degeneration	Cystic, Minimal
[ Degeneration TGLS = 2-4 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 3-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus		Dilatation	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: PITUITARY GL ADENOMA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 915

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 300 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800765

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Minimal
* Kidney		Infarct	Mild
[ Infarct TGLS = 4-14 ]			
* Liver		Basophilic Focus	
		Degeneration	Fatty, Minimal
		Eosinophilic Focus	
		Eosinophilic Focus	
		Mixed Cell Focus	
[ Eosinophilic Focus TGLS = 6-16 ]			
[ Mixed Cell Focus TGLS = 3-15 ]			
* Lung		Inflammation	Chronic, Minimal
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 1-13 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[ Hyperplasia TGLS = 2-7 ]			
* Thyroid Gland	C Cell	Adenocarcinoma	
[ Adenocarcinoma TGLS = 5-7 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:09

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 916

TRT#: 8

SEX: Female

DAY ON TEST: 698

DOSE: 300 PPM

DISP: Natural Death

HISTO: 8800766

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Clitoral Gland
- \* Intestine Large, Rectum
- \* Kidney
- \* Mammary Gland
- \* Peripheral Nerve
- \* Spleen
- \* Thyroid Gland

- \* Adrenal Medulla
- \* Esophagus
- \* Intestine Small, Duodenum
- \* Lung
- \* Nose
- \* Salivary Glands
- \* Stomach, Forestomach
- \* Trachea

- \* Bone
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Skin
- \* Stomach, Glandular
- \* Urinary Bladder

- \* Bone Marrow
- \* Intestine Large, Colon
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Spinal Cord
- \* Thymus
- \* Uterus

AUTO PRECLUDES DIAG.

- \* Intestine Small, Jejunum

OBSERVATIONS

- |                        |               |                    |         |
|------------------------|---------------|--------------------|---------|
| * Brain                | Hypothalamus  | Compression        |         |
| * Heart                | Myocardium    | Degeneration       | Mild    |
| * Liver                |               | Basophilic Focus   |         |
|                        |               | Eosinophilic Focus |         |
| * Ovary                | Interstitium  | Hyperplasia        | Minimal |
| * Pituitary Gland      | Pars Distalis | Adenoma            |         |
| [ Adenoma TGLS = 1-7 ] |               |                    |         |

PRIMARY CAUSE OF DEATH

-

Animal Note: C O DEATH: PITUITARY ADENOMA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:09  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 917

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 712

**DOSE:** 300 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800767

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Bone	* Bone Marrow	* Brain	Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skin	* Spinal Cord
* Spleen	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Mild
Eye	Lens	Cataract	Mild
[ Cataract TGLS = 1-13 ]			
* Heart	Myocardium	Degeneration	Minimal
* Liver		Fatty Change	Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland		Cyst	
* Stomach, Forestomach		Ulcer	Mild
[ Ulcer TGLS = 3-15 ]			
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Hyperplasia	Mild
[ Hyperplasia TGLS = 2-14 ]			

**PRIMARY CAUSE OF DEATH**

-

Animal Note: C O MORB: STOMACH ULCERS

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:09  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 918	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 300 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 8800768

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skin	* Spinal Cord	* Spleen	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

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**OBSERVATIONS**

* Adrenal Cortex		Adenoma	
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Ovary	Interstitialium	Hyperplasia	Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
[ Hyperplasia TGLS = 1-13 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:09

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 919

TRT#: 8

SEX: Female

DAY ON TEST: 546

DOSE: 300 PPM

DISP: Natural Death

HISTO: 8800769

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Vacuolization Cytoplasmic	Minimal
* Brain		Leukemia Mononuclear	
* Heart	Myocardium	Degeneration	Minimal
* Liver		Leukemia Mononuclear Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 3,4-13+14 ]		
* Lung		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 2-2+3 ]		
* Spleen		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 1-1 ]		

PRIMARY CAUSE OF DEATH

-

Animal Note: C O DEATH: MONONUCLEAR CELL LEUKEMIA

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:09  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 920

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 300 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800770

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Bone	* Bone Marrow	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skin	* Spinal Cord	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
Clitoral Gland		Inflammation	Chronic, Mild
[ Inflammation TGLS = 2-12 ]			
* Heart	Myocardium	Degeneration	Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
Note: APPEARANCE OF LIVER SEEN AT NECROPSY			
Note: NO CORRESP LESION FOR LIVER NODULE AND GRANULAR			
			[ Leukemia Mononuclear TGLS = 6-4+15 ]
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 1-13 ]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 4-7 ]			
* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
[ Hyperplasia TGLS = 7-6 ]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus		Polyp Stromal	
[ Polyp Stromal TGLS = 3-14 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:09  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 921

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 300 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800771

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Minimal
Clitoral Gland		Adenoma	
[ Adenoma TGLS = 1-13 ]			
* Liver		Basophilic Focus	
		Eosinophilic Focus	
Note: NO CORRESP LESION FOR GRANULAR APPEARANCE OF LIVER SEEN			
Note: AT NECROPSY			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:09  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 922	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 300 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 8800772

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

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**OBSERVATIONS**

* Heart	Myocardium	Degeneration	Minimal
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 1-13 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:09  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 923

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 300 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800773

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Moderate
* Brain	Hypothalamus	Compression	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3-4 ]			
* Lung		Leukemia Mononuclear	
* Mammary Gland		Adenoma	
[ Adenoma TGLS = 1-13 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 4-7 ]			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 2-14 ]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:09  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 924

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 300 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800774

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Peripheral Nerve	* Salivary Glands	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
* Brain	Hypothalamus	Compression	
* Heart	Myocardium	Degeneration	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 3-4 ]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 4-2 ]		
* Ovary	Interstitium	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[ Adenoma TGLS = 1-7 ]		
* Spleen		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 2-13 ]		
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:09  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 925

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 353

**DOSE:** 300 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800775

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Brain	Hypothalamus	Compression	
Clitoral Gland		Inflammation	Chronic, Minimal
* Kidney		Nephropathy	Minimal
* Nose		Inflammation	Suppurative, Minimal
* Ovary	Interstitial	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 1-7 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

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Animal Note: C O MORB: PITUITARY ADENOMA, BRAIN COMPRESSION

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:09  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 926

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 300 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800776

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Salivary Glands	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Mild
* Heart	Myocardium	Degeneration	Minimal
* Intestine Large, Rectum		Fibrosis	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Pancreas	Acinus	Atrophy	Minimal
* Thyroid Gland	C Cell	Adenoma	
[ Adenoma TGLS = 1-7 ]			

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:09  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 927

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 300 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 8800777

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Clitoral Gl

Note: NO CORRESP LESION FOR DISCOLORATION OF CLITORAL GLAND

Note: SEEN AT NECROPSY

* Kidney		Nephropathy	Minimal
* Ovary		Cyst	
	Interstitialium	Hyperplasia	Minimal
	[ Cyst TGLS = 2-12 ]		
* Stomach, Forestomach		Cyst Epithelial Inclusion	
	[ Cyst Epithelial Inclusion TGLS = 3-13 ]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05100-03

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Tricresyl phosphate

CAS Number: 1330-78-5

Date Report Requested: 10/22/2014

Time Report Requested: 21:20:09

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 928

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 300 PPM

DISP: Terminal Sacrifice

HISTO: 8800778

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

\* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
Ear	Pinna	Fibrosarcoma	
[ Fibrosarcoma TGLS = 1-13 ]			
* Heart	Myocardium	Degeneration	Mild
* Kidney		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3-4 ]			
* Lung		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Mild
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 2-14 ]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Wall	Hyperplasia	Moderate
[ Hyperplasia TGLS = 4-15 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:09  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 929

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 722

**DOSE:** 300 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800779

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

**OBSERVATIONS**

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
* Heart	Myocardium	Degeneration	Minimal
* Kidney		Nephropathy	Minimal
* Lymph Node, Mandibular		Squamous Cell Carcinoma	Metastatic (Skin)
* Pancreas	Acinus	Atrophy	Mild
* Skin		Abscess	Marked
		Squamous Cell Carcinoma	
		[ Abscess TGLS = 1-13 ]	
		[ Squamous Cell Carcinoma TGLS = 1-13 ]	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: C O MORB: SQUAMOUS CARCINOMA OF SKIN

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05100-03  
**Test Type:** CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Tricresyl phosphate  
**CAS Number:** 1330-78-5

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 21:20:09  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 930

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 722

**DOSE:** 300 PPM

**DISP:** Moribund Sacrifice

**HISTO:** 8800780

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skin
* Spinal Cord	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

**OBSERVATIONS**

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
Clitoral Gl			
Note: NO CORRESP LESION FOR BILATERAL ENLARGEMENT SEEN			
Note: OF CLITORAL GLAND SEEN AT NECROPSY			
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 2-7+13 ]			
* Pituitary Gland		Inflammation	Chronic, Mild
[ Inflammation TGLS = 4-7 ]			
* Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3-14 ]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
[ Hyperplasia TGLS = 6-6+15 ]			
* Thyroid Gland	C Cell	Adenoma	
[ Adenoma TGLS = 5-7 ]			

PRIMARY CAUSE OF DEATH

-

Animal Note: FIBROADENOMA

Animal Note: C O MORB: MONONUCLEAR CELL LEUKEMIA, MAMMARY GLAND

**\*\* END OF REPORT \*\***

\* PROTOCOL REQUIRED TISSUE