

**Experiment Number:** 05035-03  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 17:41:34  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

<b>C Number:</b>	C55801
<b>Lock Date:</b>	Not Entered.
<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>	07/07/1989

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 1

TRT#: 1

SEX: Male

DAY ON TEST: 661

DOSE: CONTROL UM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mammary Gland	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Trachea

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Bone Marrow		Hyperplasia	Moderate
Heart		Leukemia Mononuclear	Marked
Kidney		Nephropathy	Mild
	Renal Tubule	Pigmentation	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC TGLs = 7-3			
Lung		Leukemia Mononuclear	Marked
Lymph Node	Mesenteric	Congestion	Mild
	Pancreatic	Congestion	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Marked
	Mandibular	Leukemia Mononuclear	Marked
	Mediastinal	Leukemia Mononuclear	Marked
	Mesenteric	Leukemia Mononuclear	Marked
	Pancreatic	Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC TGLs = 3-2			
Note: CONGESTION TGLs = 8-8			
Note: CONGESTION TGLs = 6-9,9-9			
Nose		Inflammation	Chronic, Mild
		Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Preputial Gland		Inflammation	Chronic, Mild
Prostate		Atrophy	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:34

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 1	<b>TRT#:</b> 1 <b>DOSE:</b> CONTROL UM	<b>SEX:</b> Male <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 661 <b>HISTO:</b>
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<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Seminal Vesicle		Atrophy	Moderate
Spleen		Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC	TGLs = 5-3.1		
Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Moderate
Note: ADENOMA	TGLs = 4-6		
Thymus		Leukemia Mononuclear	Marked
Thyroid Gland	C Cell	Hyperplasia	Mild
Urinary Bladder		Leukemia Mononuclear	Marked

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<b>PRIMARY CAUSE OF DEATH</b>	-
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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

<b>ANIMAL ID:</b> 3	<b>TRT#:</b> 1 <b>DOSE:</b> CONTROL UM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 738 <b>HISTO:</b>
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland Note: PHEOCHROM BGN TGLs = 3-8	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Congestion	Moderate
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
Mammary Gland Note: FIBROADENOMA TGLs = 1-13		Fibroadenoma	
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Focal, Moderate
Pituitary Gland Note: ADENOMA TGLs = 4-8	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Chronic, Minimal
Salivary Glands		Karyomegaly	Mild
Testes Note: ADENOMA TGLs = 2-6	Bilateral, Interstit Cell	Adenoma	
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

<b>ANIMAL ID:</b> 4	<b>TRT#:</b> 1 <b>DOSE:</b> CONTROL UM	<b>SEX:</b> Male <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 568 <b>HISTO:</b>
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
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	Parathyroid Gland
Preputial Gland	Prostate	Seminal Vesicle	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Brain		Carcinoma	Metastatic (Pituitary Gland)
		Hydrocephalus	Mild
Harderian Gland		Pigmentation	Moderate
Note: PIGMENT	TGLs = 1-14		
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Marked
Mammary Gland		Ectasia	Marked
Note: ECTASIA	TGLs = 3-10		
Nose		Inflammation	Chronic, Minimal
		Metaplasia	Squamous, Mild
Pancreas	Acinus	Atrophy	Focal, Moderate
Pituitary Gland	Pars Distalis	Carcinoma	
Note: CARCINOMA	TGLs = 4-8		
Salivary Glands		Karyomegaly	Mild
Skin		Acanthosis	Marked
		Hyperkeratosis	Marked
Note: ACANTHOSIS	TGLs = 2-13		
Spleen		Hematopoietic Cell Proliferation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:34

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

**Lab:** TSI MASON

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**ANIMAL ID:** 4

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 568

**DOSE:** CONTROL UM

**DISP:** Moribund

**HISTO:**

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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: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

<b>ANIMAL ID:</b> 5	<b>TRT#:</b> 1 <b>DOSE:</b> CONTROL UM	<b>SEX:</b> Male <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 579 <b>HISTO:</b>
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Fatty Change	Marked
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Marked
Nose		Fungus	Marked
		Inflammation	Acute, Moderate
		Metaplasia	Squamous, Mild
Note: FUNGUS	TGLs = 2-12		
Pancreas	Acinus	Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Focal, Mild
Note: ADENOMA	TGLs = 5-8		
Preputial Gland		Ectasia	Moderate
		Inflammation	Acute, Moderate
Note: ECTASIA	TGLs = 3-10		
Salivary Glands		Karyomegaly	Mild
Stomach	Forestomach, Serosa	Inflammation	Chronic, Mild
Note: INFLAMMATION	TGLs = 7-7		
Testes	Interstit Cell	Hyperplasia	Mild
Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH	-
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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

<b>ANIMAL ID:</b> 6	<b>TRT#:</b> 1 <b>DOSE:</b> CONTROL UM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 736 <b>HISTO:</b>
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Blood		Leukemia Mononuclear	Moderate
Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Mild
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	Moderate
Lung		Leukemia Mononuclear	Moderate
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
	Mesenteric	Leukemia Mononuclear	Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Preputial Gland		Inflammation	Chronic, Minimal
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Moderate
Skin		Squamous Cell Papilloma	
Note: PAPILLOMA SQUA	TGLs = 1-13		
Spleen		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC	TGLs = 4-3		
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: ADENOMA	TGLs = 2-6,3-6		

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 7

TRT#: 1

SEX: Male

DAY ON TEST: 661

DOSE: CONTROL UM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Mammary Gland	Parathyroid Gland	Prostate	Seminal Vesicle
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Mild
	Atrium	Thrombosis	
Note: THROMBUS TGLs = 5-1			
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Moderate
Note: NEPHROPATHY TGLs = 9-4			
Liver		Leukemia Mononuclear	Moderate
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Marked
	Mediastinal	Infiltration Cellular	Plasma Cell, Moderate
	Mesenteric	Leukemia Mononuclear	Moderate
Note: INFILTRAT CELL TGLs = 4-2			
Nose		Inflammation	Chronic, Mild
		Metaplasia	Squamous, Mild
Pancreas	Acinus	Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
Preputial Gland		Inflammation	Chronic, Minimal
Salivary Glands		Karyomegaly	Mild
Skin		Squamous Cell Carcinoma	
		Squamous Cell Papilloma	
Note: [ SQUAM CEL CARC ] TGLs = 2-13			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 17:41:34  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 7	<b>TRT#:</b> 1 <b>DOSE:</b> CONTROL UM	<b>SEX:</b> Male <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 661 <b>HISTO:</b>
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<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Note: PAPILLOMA SQUA TGLs = 3-14 Spleen		Fibrosis Hematopoietic Cell Proliferation Leukemia Mononuclear	Focal, Mild Moderate Moderate
Note: LEUKEMIA MONUC TGLs = 7-3 Note: [ FIBROSIS ] TGLs = 10-3 Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Moderate
Note: ADENOMA TGLs = 6-6 Thyroid Gland	C Cell	Hyperplasia	Marked
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

<b>ANIMAL ID:</b> 8	<b>TRT#:</b> 1 <b>DOSE:</b> CONTROL UM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 736 <b>HISTO:</b>
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood	Bone	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Parathyroid Gland	Skin	Stomach - Forestomach	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Moderate
	Atrium	Inflammation	Chronic, Mild
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Marked
Note: NEPHROPATHY	TGLs = 6-4,7-4		
Liver	Bile Duct	Hyperplasia	Moderate
Lung		Carcinoma	Metastatic (Thyroid Gland)
	Pleura	Fibrosis	Mild
	Peribronchial	Inflammation	Chronic, Mild
Note: FIBROSIS	TGLs = 8-1+1.1		
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
Nose		Inflammation	Chronic, Mild
		Metaplasia	Squamous, Mild
Pancreas	Acinus	Atrophy	Focal, Marked
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Preputial Gland		Adenoma	
Note: ADENOMA	TGLs = 1-10		
Prostate		Atrophy	Mild
Salivary Glands		Karyomegaly	Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

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<b>ANIMAL ID:</b> 8	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 736
	<b>DOSE:</b> CONTROL UM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Seminal Vesicle		Atrophy	Marked
Spleen		Congestion	Moderate
Note: [ CONGESTION ] TGLs = 5-3			
Stomach	Glandular	Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA TGLs = 9			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
Note: ADENOMA TGLs = 2-6,3-6			
Thyroid Gland	C Cell	Carcinoma	
Note: CARCINOMA TGLs = 4-8			

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<b>PRIMARY CAUSE OF DEATH</b>	-
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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 9

TRT#: 1

SEX: Male

DAY ON TEST: 652

DOSE: CONTROL UM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	Esophagus	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mammary Gland	Mesentery	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Preputial Gland	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Moderate
Intestine Large	Cecum	Ulcer	Marked
Note: ULCER	TGLs = 13		
Kidney		Nephropathy	Mild
	Renal Tubule	Pigmentation	Moderate
Note: PIGMENT	TGLs = 10-4		
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC	TGLs = 11-3		
Lung		Leukemia Mononuclear	Marked
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Marked
	Mandibular	Leukemia Mononuclear	Marked
	Mesenteric	Leukemia Mononuclear	Marked
	Pancreatic	Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC	TGLs = 12-9		
Prostate		Atrophy	Moderate
Salivary Glands		Karyomegaly	Moderate
Seminal Vesicle		Atrophy	Moderate
Note: ATROPHY	TGLs = 8-6		
Skin	Subcut Tiss	Fibroma	
Note: FIBROMA	TGLs = 4-13		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:34

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 9	<b>TRT#:</b> 1 <b>DOSE:</b> CONTROL UM	<b>SEX:</b> Male <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 652 <b>HISTO:</b>
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<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Spleen Note: LEUKEMIA MONUC TGLs = 9-3.1		Leukemia Mononuclear	Marked
Stomach Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED. Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Testes Note: ADENOMA TGLs = 5-6,6-6	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Moderate

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<b>PRIMARY CAUSE OF DEATH</b>	-
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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 635

DOSE: CONTROL UM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

Bone  
Esophagus  
Intestine Small - Duodenum  
Mammary Gland  
Stomach - Forestomach

Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Pancreas  
Stomach - Glandular

Coagulating Gland  
Intestine Large - Colon  
Intestine Small - Jejunum  
Parathyroid Gland  
Trachea

OBSERVATIONS

Adrenal Gland  
Bone Marrow  
Heart  
Kidney  
  
Liver

Bilateral, Medulla  
  
  
Renal Tubule  
  
Bile Duct

Pheochromocytoma Benign  
Leukemia Mononuclear  
Leukemia Mononuclear  
Hyperplasia  
Nephropathy  
Hyperplasia  
Hyperplasia  
Leukemia Mononuclear

Mild  
Mild  
Marked  
Focal, Mild

Note: [ LEUKEMIA MONUC ] TGLs = 9-3

Lung  
Lymph Node

Mandibular  
Mediastinal  
Mesenteric

Leukemia Mononuclear  
Leukemia Mononuclear  
Leukemia Mononuclear  
Leukemia Mononuclear  
Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 6-8.1

Note: [ LEUKEMIA MONUC ] TGLs = 10-8.2

Note: [ LEUKEMIA MONUC ] TGLs = 4-9

Nose

Inflammation  
Metaplasia  
Hyperplasia  
Inflammation  
Karyomegaly  
Atrophy

Chronic, Mild  
Squamous, Mild  
Focal, Moderate  
Chronic, Mild  
Moderate  
Moderate

Pituitary Gland  
Preputial Gland  
Salivary Glands  
Seminal Vesicle

Pars Distalis

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 635

DOSE: CONTROL UM

DISP: Moribund

HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

Skin			Keratoacanthoma	
Note: KERATOACANTHMA	TGLs = 3-13			
Spleen			Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ]	TGLs = 8-3			
Testes		Interstit Cell	Adenoma	
		Seminif Tub	Atrophy	Minimal
Note: ADENOMA	TGLs = 7-6			
Thymus			Leukemia Mononuclear	
Thyroid Gland		Follicular Cel	Carcinoma	
Note: CARCINOMA	TGLs = 5-8.1			
PRIMARY CAUSE OF DEATH	-			

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 738

DOSE: CONTROL UM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood	Bone	Bone Marrow	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Parathyroid Gland	Skin	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex Bilateral, Medulla	Cytoplasmic Alteration Pheochromocytoma Benign	Focal, Mild
Note: PHEOCHROM BGN TGLs = 6-8			
Epididymis		Mesothelioma Malignant	
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric Mandibular	Granuloma Infiltration Cellular Fibroadenoma	Mild Plasma Cell, Moderate
Mammary Gland			
Note: FIBROADENOMA TGLs = 2-13			
Nose		Metaplasia	Squamous, Mild
Pancreas	Acinus	Atrophy	Focal, Moderate
Pituitary Gland	Pars Distalis Pars Distalis	Cyst Hyperplasia	Focal, Moderate
Preputial Gland		Inflammation	Chronic, Minimal
Prostate		Atrophy	Moderate
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Marked
Note: ATROPHY TGLs = 5-6			
Spleen		Hematopoietic Cell Proliferation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:34

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

**Lab:** TSI MASON

---

**ANIMAL ID:** 14

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 738

**DOSE:** CONTROL UM

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Testes

Bilateral, Interstit Cell  
Seminif Tub

Adenoma  
Atrophy  
Mesothelioma Malignant

Moderate

Note: ADENOMA TGLs = 3-6,4-6

Thyroid Gland

C Cell

Hyperplasia

Mild

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 738

DOSE: CONTROL UM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Parathyroid Gland	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Moderate
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
Lung	Peribronchial	Inflammation	Chronic, Minimal
Lymph Node	Mesenteric	Granuloma	Minimal
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
Nose		Fungus	
		Inflammation	Acute, Moderate
		Metaplasia	Squamous, Moderate
Pancreas	Acinus	Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Preputial Gland		Inflammation	Chronic, Minimal
Prostate		Inflammation	Chronic, Mild
Salivary Glands		Karyomegaly	Moderate
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked

Note: ADENOMA TGLs = 2-6,3-6

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:34

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

**Lab:** TSI MASON

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**ANIMAL ID:** 15

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 738

**DOSE:** CONTROL UM

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 670

DOSE: CONTROL UM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Pancreas
Pituitary Gland	Preputial Gland	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Adrenal Gland - Medulla	Intestine Large - Colon	Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Moderate
Bone Marrow		Leukemia Mononuclear	Marked
Kidney		Nephropathy	Moderate
Liver		Fatty Change	Moderate
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	Marked
Note: FATTY CHANGE	TGLs = 6-3		
Note: ANOM HEPAT LOB	TGLs = 5-3.2		
Lung		Leukemia Mononuclear	Marked
Lymph Node	Mandibular	Leukemia Mononuclear	Marked
	Mediastinal	Leukemia Mononuclear	Marked
	Mesenteric	Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC	TGLs = 8-8		
Note: LEUKEMIA MONUC	TGLs = 7-2		
Nose		Hemorrhage	Moderate
Prostate		Inflammation	Acute, Moderate
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Moderate
Spleen		Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC	TGLs = 4-3.1		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:34

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

**Lab:** TSI MASON

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**ANIMAL ID:** 16

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 670

**DOSE:** CONTROL UM

**DISP:** Moribund

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Testes

Bilateral, Interstit Cell

Adenoma

Seminif Tub

Atrophy

Moderate

Note: ADENOMA      TGLs = 3-6

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 582

DOSE: CONTROL UM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Epididymis  
Intestine Large - Rectum  
Mammary Gland  
Stomach - Glandular

Adrenal Gland - Medulla  
Esophagus  
Intestine Small - Duodenum  
Pancreas  
Thyroid Gland

Bone  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Parathyroid Gland  
Trachea

Brain  
Intestine Large - Colon  
Islets, Pancreatic  
Stomach - Forestomach  
Urinary Bladder

OBSERVATIONS

Bone Marrow  
Heart  
Intestine Small  
Note: LEUKEMIA MONUC TGLs = 9-7  
Kidney

Ileum  
Renal Tubule

Leukemia Mononuclear  
Cardiomyopathy  
Leukemia Mononuclear  
Atrophy  
Cyst  
Nephropathy

Marked  
Mild  
Marked  
Focal, Moderate  
Mild

Note: CYST TGLs = 8-4  
Note: ATROPHY TGLs = 7-4  
Liver

Bile Duct

Fatty Change  
Hyperplasia  
Leukemia Mononuclear

Mild  
Moderate  
Marked

Note: LEUKEMIA MONUC TGLs = 6-3  
Lung  
Lymph Node

Mandibular  
Mesenteric

Leukemia Mononuclear  
Leukemia Mononuclear  
Leukemia Mononuclear

Marked  
Marked  
Marked

Nose  
Pituitary Gland  
Preputial Gland  
Prostate  
Salivary Glands  
Seminal Vesicle  
Skin

Pars Distalis  
Subcut Tiss

Inflammation  
Metaplasia  
Hyperplasia  
Inflammation  
Atrophy  
Karyomegaly  
Atrophy  
Fibroma

Chronic, Mild  
Squamous, Mild  
Focal, Mild  
Chronic, Minimal  
Marked  
Mild  
Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:34

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

**Lab:** TSI MASON

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**ANIMAL ID:** 17

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 582

**DOSE:** CONTROL UM

**DISP:** Moribund

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: FIBROMA	TGLs = 3-13			
Spleen			Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC	TGLs = 5-3			
Testes		Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Moderate
Note: ADENOMA	TGLs = 4-6			
Thymus			Leukemia Mononuclear	Marked
PRIMARY CAUSE OF DEATH		-		

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 738

DOSE: CONTROL UM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland Note: PHEOCHROM BGN TGLs = 4-8	Medulla	Pheochromocytoma Benign	
Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Mild
Intestine Large	Cecum	Parasite Metazoan	Mild
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Marked
Nose		Metaplasia	Squamous, Mild
Pancreas	Acinus	Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Preputial Gland Note: CARCINOMA TGLs = 1-13		Carcinoma	
Prostate		Atrophy	Mild
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle Note: ATROPHY TGLs = 3-6		Atrophy	Moderate
Spleen		Hematopoietic Cell Proliferation	Mild
Stomach	Forestomach	Hyperplasia	Basal Cell, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:34

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 18	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 738	
	<b>DOSE:</b> CONTROL UM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>	
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>				
Note: ADENOMA	TGLs = 2-6	Seminif Tub	Atrophy	Marked
Thyroid Gland		C Cell	Hyperplasia	Minimal
<b>PRIMARY CAUSE OF DEATH</b>	-			

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: CONTROL UM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mandibular	Mammary Gland
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INSUFFICIENT TISSUE

Blood

OBSERVATIONS

Heart		Cardiomyopathy	Moderate
Intestine Large	Colon	Parasite Metazoan	Moderate
	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Moderate
Note: HYPERPLASIA TGLs = 3-3			
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Granuloma	Mild
Nose		Inflammation	Chronic, Minimal
		Metaplasia	Squamous, Mild
Pancreas	Artery	Inflammation	Chronic, Marked
Preputial Gland		Inflammation	Chronic, Mild
Prostate		Atrophy	Moderate
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Marked
Note: ATROPHY TGLs = 1-6			
Spleen		Congestion	Moderate
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:34

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

**Lab:** TSI MASON

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**ANIMAL ID:** 19

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 736

**DOSE:** CONTROL UM

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: ADENOMA      TGLs = 2-6

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 738

DOSE: CONTROL UM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	Brain	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Nose	Parathyroid Gland
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Epididymis		Mesothelioma Malignant	
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Marked
Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
	Subserosa	Thrombosis	
Note: CLEAR CL FOCUS TGLs = 3-3			
Note: THROMBUS TGLs = 4-3.1			
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Pancreas	Acinus	Atrophy	Focal, Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Preputial Gland		Inflammation	Chronic, Mild
Prostate		Atrophy	Moderate
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Marked
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
Note: ADENOMA TGLs = 1-6,2-6			
Thyroid Gland	C Cell	Carcinoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:34

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

**Lab:** TSI MASON

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**ANIMAL ID:** 20

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 738

**DOSE:** CONTROL UM

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: CARCINOMA      TGLs = 5-8

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 738

DOSE: CONTROL UM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Prostate	Seminal Vesicle	Thymus
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Blood		Leukemia Mononuclear	Moderate
Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Mild
Liver		Granuloma	Mild
		Leukemia Mononuclear	Moderate
		Necrosis	Focal, Minimal
Note: NECROSIS TGLs = 3			
Note: GRANULOMA TGLs = 3			
Lung	Peribronchial	Inflammation	Chronic, Mild
		Leukemia Mononuclear	Moderate
Lymph Node	Lymphatic, Mesenteric	Angiectasis	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Nose		Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2-8			
Salivary Glands		Karyomegaly	Mild
Spleen		Leukemia Mononuclear	Moderate
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Hypospermia	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:34

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 21	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 738
	<b>DOSE:</b> CONTROL UM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: ADENOMA	TGLs = 1-6		
Thyroid Gland	C Cell	Hyperplasia	Moderate

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<b>PRIMARY CAUSE OF DEATH</b>	-
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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 738

DOSE: CONTROL UM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Blood		Leukemia Mononuclear	Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Mild
		Leukemia Mononuclear	Mild
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Nose		Hemorrhage	Marked
		Inflammation	Chronic, Mild
		Metaplasia	Squamous, Moderate
Pancreas	Acinus	Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Chronic, Minimal
Prostate		Inflammation	Acute, Minimal
Salivary Glands		Karyomegaly	Moderate
Seminal Vesicle		Atrophy	Marked
Spleen		Leukemia Mononuclear	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate

Note: ADENOMA TGLs = 1-6,2-6

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 23

TRT#: 1

SEX: Male

DAY ON TEST: 708

DOSE: CONTROL UM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland	Nose
Pancreas	Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Trachea	Urinary Bladder

MISSING

Esophagus

INSUFFICIENT TISSUE

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Moderate
	Medulla	Pheochromocytoma Benign	
Note: PHEOCHROM BGN TGLs = 4-8			
Bone Marrow		Hyperplasia	Mild
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Focal, Mild
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Cyst	
Note: CYST TGLs = 3-10			
Prostate		Inflammation	Acute, Mild
		Metaplasia	Squamous, Mild
Salivary Glands		Karyomegaly	Mild
Skin	Subcut Tiss	Fibroma	
Note: FIBROMA TGLs = 2-13+13.1			
Spleen		Hematopoietic Cell Proliferation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:34

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 23	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 708
	<b>DOSE:</b> CONTROL UM	<b>DISP:</b> Moribund	<b>HISTO:</b>

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<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Thyroid Gland	C Cell	Hyperplasia	Marked
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 712

DOSE: CONTROL UM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Intestine Large - Colon  
Intestine Small - Jejunum  
Skin

Epididymis  
Intestine Large - Rectum  
Islets, Pancreatic  
Stomach - Glandular

Esophagus  
Intestine Small - Duodenum  
Nose  
Tooth

Intestine Large - Cecum  
Intestine Small - Ileum  
Preputial Gland  
Trachea

MISSING

Mammary Gland

Parathyroid Gland

INSUFFICIENT TISSUE

Adrenal Gland - Medulla

OBSERVATIONS

Bone Marrow

Leukemia Mononuclear

Heart

Atrium

Thrombosis

Kidney

Leukemia Mononuclear

Nephropathy

Minimal

Liver

Fatty Change

Mild

Bile Duct

Hyperplasia

Mild

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 5-3

Lung

Leukemia Mononuclear

Lymph Node

Mandibular

Leukemia Mononuclear

Mediastinal

Leukemia Mononuclear

Mesenteric

Leukemia Mononuclear

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 2-9

Note: [ LEUKEMIA MONUC ] TGLs = 8-2

Note: [ LEUKEMIA MONUC ] TGLs = 6-8

Pancreas

Leukemia Mononuclear

Pituitary Gland

Pars Distalis

Hyperplasia

Focal, Mild

Note: [ HYPERPLASIA ] TGLs = 7-8

Prostate

Leukemia Mononuclear

Salivary Glands

Karyomegaly

Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:34

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

**Lab:** TSI MASON

**ANIMAL ID:** 24

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 712

**DOSE:** CONTROL UM

**DISP:** Moribund

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Seminal Vesicle		Atrophy	Marked
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-3.1		
Stomach	Forestomach	Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
Note: ADENOMA	TGLs = 3-6		
Thymus		Leukemia Mononuclear	
Thyroid Gland	C Cell	Hyperplasia	Mild
Urinary Bladder		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: CONTROL UM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Parathyroid Gland
Preputial Gland	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Blood		Leukemia Mononuclear	Moderate
Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite Metazoan	Marked
	Rectum	Parasite Metazoan	Moderate
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Mild
		Leukemia Mononuclear	Moderate
Note: ANOM HEPAT LOB TGLs = 6-3			
Lung		Leukemia Mononuclear	Moderate
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
	Mesenteric	Leukemia Mononuclear	Moderate
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 2-14			
Nose		Inflammation	Chronic, Mild
		Metaplasia	Squamous, Moderate
Pancreas	Acinus	Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Marked
Prostate		Inflammation	Acute, Moderate
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Marked
Skin		Hyperplasia	Basal Cell, Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:34

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

**Lab:** TSI MASON

**ANIMAL ID:** 25

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 736

**DOSE:** CONTROL UM

**DISP:** Terminal Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: HYPERPLASIA	TGLs = 1-13			
Spleen			Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC	TGLs = 5-3			
Testes		Interstit Cell	Adenoma	
		Seminif Tub	Atrophy	Marked
Note: ADENOMA	TGLs = 4-6			
Note: ATROPHY	TGLs = 3-6			
Thyroid Gland		C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH		-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 631

DOSE: CONTROL UM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Preputial Gland	Seminal Vesicle	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Necrosis	Focal, Mild
Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Minimal
Liver		Leukemia Mononuclear	Moderate
		Necrosis	Focal, Mild
Lung		Leukemia Mononuclear	Moderate
Lymph Node	Lymphatic, Mesenteric	Angiectasis	Marked
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
	Mesenteric	Leukemia Mononuclear	Moderate
Note: ANGIECTASIS	TGLs = 7-8.1		
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
Prostate		Inflammation	Chronic, Minimal
Salivary Glands		Karyomegaly	Mild
Skin		Keratoacanthoma	
Note: KERATOACANTHMA	TGLs = 2-13		
Spleen		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC	TGLs = 6-3		
Stomach	Forestomach	Hyperplasia	Basal Cell, Mild
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
Note: ADENOMA	TGLs = 5-6		
Thyroid Gland	C Cell	Hyperplasia	Marked

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:34

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

**Lab:** TSI MASON

---

**ANIMAL ID:** 26

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 631

**DOSE:** CONTROL UM

**DISP:** Moribund

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: CONTROL UM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mammary Gland	Parathyroid Gland	Prostate	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Note: PHEOCHROM BGN TGLs = 2-8			
Blood		Leukemia Mononuclear	Mild
Heart		Cardiomyopathy	Moderate
Intestine Large	Cecum	Parasite Metazoan	Mild
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	Mild
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
Nose		Fungus	
		Inflammation	Chronic, Moderate
		Metaplasia	Squamous, Moderate
Pancreas	Acinus	Atrophy	Focal, Minimal
Pituitary Gland	Pars Distalis	Cyst	
Preputial Gland		Abscess	Mild
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Marked
Spleen		Leukemia Mononuclear	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
Note: ADENOMA TGLs = 1-6			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:34

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 27	<b>TRT#:</b> 1 <b>DOSE:</b> CONTROL UM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 736 <b>HISTO:</b>
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Thyroid Gland	C Cell Follicular Cel	Hyperplasia Hyperplasia	Mild Minimal
<b>PRIMARY CAUSE OF DEATH</b>	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: CONTROL UM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	Esophagus	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Mammary Gland
Parathyroid Gland	Skin	Stomach - Forestomach	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Blood		Leukemia Mononuclear	Mild
Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Marked
Intestine Large	Cecum	Parasite Metazoan	Marked
	Colon	Parasite Metazoan	Marked
	Rectum	Parasite Metazoan	Marked
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Cytoplasmic Alteration	Focal, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	Mild
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Granuloma	Mild
Nose		Fungus	
		Inflammation	Chronic, Moderate
		Metaplasia	Squamous, Mild
Pancreas	Acinus	Atrophy	Focal, Marked
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
Preputial Gland		Carcinoma	
Note: CARCINOMA	TGLs = 2-10		
Prostate		Atrophy	Moderate
		Inflammation	Chronic, Mild
Salivary Glands		Karyomegaly	Minimal
Seminal Vesicle		Atrophy	Marked

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: CONTROL UM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ATROPHY TGLs = 3-6

Spleen

Leukemia Mononuclear

Mild

Note: LEUKEMIA MONUC TGLs = 5-3

Stomach

Glandular

Inflammation

Chronic, Minimal

Testes

Bilateral, Interstit Cell

Adenoma

Seminif Tub

Atrophy

Moderate

Note: ADENOMA TGLs = 4-6

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 514

DOSE: CONTROL UM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Bone Marrow		Hyperplasia	Moderate
Intestine Large	Cecum	Parasite Metazoan	Moderate
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Minimal
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Granuloma	Mild
Nose		Inflammation	Chronic, Moderate
		Metaplasia	Squamous, Moderate
Pancreas	Acinus	Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
Salivary Glands		Karyomegaly	Moderate
Skin	Subcut Tiss	Fibroma	
Note: FIBROMA TGLs = 1-13+13.1			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 3-3			
Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: CONTROL UM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland
Parathyroid Gland	Prostate	Seminal Vesicle	Skin
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Minimal
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Mild
	Atrium	Leukemia Mononuclear	
	Rectum	Thrombosis	
Intestine Large		Parasite Metazoan	Marked
Kidney	Renal Tubule	Adenoma	
	Transit Epithe	Hyperplasia	Focal, Mild
		Leukemia Mononuclear	
		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ]	TGLs = 6-9.1		
Note: [ LEUKEMIA MONUC ]	TGLs = 7-8		
Note: [ LEUKEMIA MONUC ]	TGLs = 8-4		
Nose		Inflammation	Chronic, Mild
		Metaplasia	Squamous, Mild
Pancreas	Acinus	Atrophy	Focal, Marked
Pituitary Gland	Pars Distalis	Adenoma	

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: CONTROL UM

DISP: Terminal Sacrifice

HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: ADENOMA	TGLs = 9-8		
Preputial Gland		Inflammation	Chronic, Mild
Salivary Glands		Karyomegaly	Mild
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ]	TGLs = 5-3		
Stomach		Leukemia Mononuclear	
Testes		Adenoma	
	Forestomach	Atrophy	Moderate
	Bilateral, Interstit Cell		
	Seminif Tub		
Note: ADENOMA	TGLs = 3-6,4-6		
Thymus		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ]	TGLs = 2-2		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 738

DOSE: CONTROL UM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland	Parathyroid Gland
Preputial Gland	Skin	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Moderate
Heart		Cardiomyopathy	Moderate
Kidney	Renal Tubule	Adenoma	
	Transit Epithe	Hyperplasia	Mild
		Nephropathy	Marked
Note: NEPHROPATHY	TGLs = 5-4,6-4		
Liver	Bile Duct	Hyperplasia	Minimal
Lung	Alveolar Epith	Metaplasia	Mild
Lymph Node	Lymphatic, Mesenteric	Angiectasis	Moderate
	Mandibular	Infiltration Cellular	Plasma Cell, Marked
Note: ANGIECTASIS	TGLs = 4-8		
Nose		Metaplasia	Squamous, Mild
Pancreas	Acinus	Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 7-8		
Prostate		Inflammation	Chronic, Mild
Salivary Glands		Karyomegaly	Moderate
Seminal Vesicle		Atrophy	Marked
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Testes	Seminif Tub	Atrophy	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:34

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 31	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 738
	<b>DOSE:</b> CONTROL UM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: ATROPHY	TGLs = 3-6		
Thyroid Gland		C Cell	Carcinoma
Note: CARCINOMA	TGLs = 2-8		

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<b>PRIMARY CAUSE OF DEATH</b>	-
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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 738

DOSE: CONTROL UM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Prostate  
Stomach - Glandular  
Urinary Bladder

Blood  
Epididymis  
Intestine Large - Rectum  
Islets, Pancreatic  
Skin  
Thymus

Bone  
Esophagus  
Intestine Small - Duodenum  
Pancreas  
Spleen  
Thyroid Gland

Bone Marrow  
Heart  
Intestine Small - Ileum  
Parathyroid Gland  
Stomach - Forestomach  
Trachea

MISSING

Mammary Gland

INSUFFICIENT TISSUE

Adrenal Gland - Medulla

OBSERVATIONS

Intestine Large  
Kidney  
    Note: NEPHROPATHY    TGLs = 4-4  
Liver  
Lung  
Lymph Node  
  
    Note: ANGIECTASIS    TGLs = 6,7,8  
Nose  
Pituitary Gland  
    Note: ADENOMA        TGLs = 5-8  
Preputial Gland  
Salivary Glands  
Seminal Vesicle  
    Note: ATROPHY        TGLs = 3-6  
Testes

Colon  
  
Bile Duct  
Peribronchial  
Lymphatic, Mediastinal  
Lymphatic, Mesenteric  
Lymphatic, Pancreatic  
Mandibular  
  
Pars Distalis  
  
Bilateral, Interstit Cell

Parasite Metazoan  
Nephropathy  
  
Hyperplasia  
Inflammation  
Angiectasis  
Angiectasis  
Angiectasis  
Infiltration Cellular  
  
Metaplasia  
Adenoma  
  
Inflammation  
Karyomegaly  
Atrophy  
  
Adenoma

Mild  
Mild  
  
Mild  
Chronic, Minimal  
Mild  
Mild  
Mild  
Plasma Cell, Mild  
  
Squamous, Mild  
  
  
Chronic, Minimal  
Moderate  
Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:34

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 32	<b>TRT#:</b> 1 <b>DOSE:</b> CONTROL UM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 738 <b>HISTO:</b>
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Note: ADENOMA      TGLs = 1-6,2-6	Seminif Tub	Atrophy	Moderate
<b>PRIMARY CAUSE OF DEATH</b>	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 640

DOSE: CONTROL UM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Small - Ileum  
Stomach - Glandular  
Trachea

Bone  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Testes  
Urinary Bladder

Bone Marrow  
Intestine Large - Rectum  
Islets, Pancreatic  
Thymus

Epididymis  
Intestine Small - Duodenum  
Parathyroid Gland  
Thyroid Gland

MISSING

Adrenal Gland - Medulla

Intestine Large - Colon

OBSERVATIONS

Brain  
Heart  
Kidney  
Liver  
Lung  
Lymph Node

Peribronchial  
Lymphatic, Mesenteric  
Mandibular

Hydrocephalus  
Cardiomyopathy  
Nephropathy  
Fatty Change  
Inflammation  
Angiectasis  
Infiltration Cellular

Mild  
Mild  
Moderate  
Moderate  
Chronic, Mild  
Mild  
Plasma Cell, Mild

Note: ANGIECTASIS TGLs = 4

Mammary Gland  
Nose  
Pancreas  
Pituitary Gland

Acinus  
Pars Distalis

Ectasia  
Metaplasia  
Atrophy  
Adenoma

Mild  
Squamous, Mild  
Focal, Minimal

Note: ADENOMA TGLs = 2-8

Preputial Gland  
Prostate  
Salivary Glands  
Seminal Vesicle  
Skin

Inflammation  
Inflammation  
Karyomegaly  
Atrophy  
Keratoacanthoma

Acute, Mild  
Acute, Marked  
Moderate  
Moderate

Note: KERATOACANTHMA TGLs = 1-13

Spleen

Hematopoietic Cell Proliferation  
Pigmentation

Mild  
Hemosiderin, Moderate

Stomach

Forestomach

Ulcer

Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:34

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

**Lab:** TSI MASON

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**ANIMAL ID:** 33

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 640

**DOSE:** CONTROL UM

**DISP:** Moribund

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 738

DOSE: CONTROL UM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Brain		Hydrocephalus	Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Granuloma	Minimal
	Bile Duct	Hyperplasia	Mild
Lymph Node	Mesenteric	Granuloma	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 1-8		
Spleen		Granuloma	Mild
		Pigmentation	Hemosiderin, Mild
Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: CONTROL UM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland	Pancreas
Parathyroid Gland	Prostate	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Intestine Large - Cecum

INSUFFICIENT TISSUE

Adrenal Gland - Medulla

OBSERVATIONS

Blood		Leukemia Mononuclear	Moderate
Heart		Cardiomyopathy	Minimal
Intestine Large	Colon	Parasite Metazoan	Moderate
	Rectum	Parasite Metazoan	Moderate
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	Moderate
Lung		Alveolar/Bronchiolar Adenoma	
		Leukemia Mononuclear	Moderate
Note: ALV BRON ADEN TGLs = 5-1.1			
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
	Mandibular	Leukemia Mononuclear	Moderate
	Mesenteric	Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC TGLs = 1-9			
Nose		Inflammation	Chronic, Mild
		Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Angiectasis	Moderate
Note: ANGIECTASIS TGLs = 4-8			

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:34

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 36	<b>TRT#:</b> 1 <b>DOSE:</b> CONTROL UM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 736 <b>HISTO:</b>
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<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Preputial Gland		Inflammation	Chronic, Minimal
Salivary Glands		Karyomegaly	Moderate
Spleen		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC	TGLs = 2-3		
Testes	Interstit Cell Seminif Tub	Adenoma Atrophy	Moderate
Note: ADENOMA	TGLs = 6-6		

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<b>PRIMARY CAUSE OF DEATH</b>	-
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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 612

DOSE: CONTROL UM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Bone

Brain

Epididymis

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Mammary Gland

Pancreas

Pituitary Gland

Seminal Vesicle

Skin

Stomach - Forestomach

Stomach - Glandular

Thyroid Gland

Trachea

Urinary Bladder

MISSING

Thymus

INSUFFICIENT TISSUE

Parathyroid Gland

OBSERVATIONS

Adrenal Gland

Medulla

Hyperplasia

Focal, Mild

Bone Marrow

Hyperplasia

Moderate

Heart

Cardiomyopathy

Moderate

Kidney

Nephropathy

Mild

Liver

Renal Tubule

Pigmentation

Mild

Bile Duct

Hyperplasia

Moderate

Leukemia Mononuclear

Moderate

Note: LEUKEMIA MONUC TGLs = 6-3

Lung

Leukemia Mononuclear

Moderate

Lymph Node

Mandibular

Leukemia Mononuclear

Moderate

Mesenteric

Leukemia Mononuclear

Moderate

Nose

Metaplasia

Squamous, Mild

Preputial Gland

Abscess

Minimal

Prostate

Inflammation

Chronic, Minimal

Salivary Glands

Karyomegaly

Moderate

Spleen

Hemangiosarcoma

Leukemia Mononuclear

Moderate

Note: LEUKEMIA MONUC TGLs = 5-3

Note: HEMANGIOSARC TGLs = 4-3

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:34

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 37	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 612
	<b>DOSE:</b> CONTROL UM	<b>DISP:</b> Moribund	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Testes	Bilateral, Interstit Cell	Adenoma
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PRIMARY CAUSE OF DEATH	-
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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 632

DOSE: CONTROL UM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Pancreas	Parathyroid Gland	Preputial Gland	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Brain		Hydrocephalus	Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Hemorrhage	Focal, Moderate
Note: HEMORRHAGE	TGLs = 4-3		
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Lymphatic, Mandibular	Angiectasis	Mild
	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Mammary Gland		Ectasia	Moderate
Note: ECTASIA	TGLs = 3-10		
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 5-8		
Prostate		Inflammation	Chronic, Mild
Salivary Glands		Karyomegaly	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 632

DOSE: CONTROL UM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Ear	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland	Parathyroid Gland
Preputial Gland	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Bone Marrow		Hyperplasia	Moderate
Heart	Atrium	Thrombosis	Moderate
Note: THROMBUS	TGLs = 5-2		
Kidney		Nephropathy	Mild
Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Moderate
		Hyperplasia	Focal, Minimal
		Leukemia Mononuclear	Marked
		Necrosis	Focal, Mild
Note: LEUKEMIA MONUC	TGLs = 10-3		
Note: HYPERPLASIA	TGLs = 11		
Lung		Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC	TGLs = 7-1+2		
Lymph Node	Mandibular	Leukemia Mononuclear	Marked
	Mediastinal	Leukemia Mononuclear	Marked
	Mesenteric	Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC	TGLs = 6-13		
Nose		Metaplasia	Squamous, Mild
Pancreas	Acinus	Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Marked
Prostate		Inflammation	Chronic, Mild
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:34

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

**Lab:** TSI MASON

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**ANIMAL ID:** 39

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 632

**DOSE:** CONTROL UM

**DISP:** Moribund

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Skin Note: FIBROMA TGLs = 3-14	Subcut Tiss	Fibroma	
Spleen Note: LEUKEMIA MONUC TGLs = 9-3		Leukemia Mononuclear	Marked
Testes Note: ADENOMA TGLs = 8-6	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Moderate

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: CONTROL UM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Adrenal Gland - Medulla	Mammary Gland	Nose	Stomach - Forestomach
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OBSERVATIONS

Blood		Leukemia Mononuclear	Mild
Intestine Large	Cecum	Parasite Metazoan	Moderate
	Rectum	Parasite Metazoan	Moderate
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	Mild
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Mesentery		Accessory Spleen	
Note: ACCESSORY SPLN TGLs = 4-3			
Pituitary Gland	Pars Distalis	Pigmentation	Hemosiderin, Mild
Note: PIGMENT TGLs = 3-8			
Preputial Gland		Abscess	Mild
Note: ABSCESS TGLs = 1-10			
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Marked
Spleen		Leukemia Mononuclear	Mild
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
Note: ADENOMA TGLs = 2-6			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:34

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

**Lab:** TSI MASON

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**ANIMAL ID:** 40

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 736

**DOSE:** CONTROL UM

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: CONTROL UM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Ear
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mesenteric	Mammary Gland	Pancreas	Parathyroid Gland
Pituitary Gland	Skin	Stomach - Glandular	Thymus
Trachea			

MISSING

Preputial Gland	Prostate	Seminal Vesicle	Urinary Bladder
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Blood		Leukemia Mononuclear	Marked
Bone Marrow		Leukemia Mononuclear	Marked
Heart		Leukemia Mononuclear	Marked
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Moderate
		Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC	TGLs = 3-3		
Note: ANOM HEPAT LOB	TGLs = 7-3.2		
Lung		Leukemia Mononuclear	Marked
Lymph Node	Mandibular	Leukemia Mononuclear	Marked
	Mediastinal	Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC	TGLs = 6-9		
Note: LEUKEMIA MONUC	TGLs = 5-2		
Nose		Leukemia Mononuclear	Marked
		Metaplasia	Squamous, Moderate
Salivary Glands		Karyomegaly	Mild
Spleen		Leukemia Mononuclear	Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 17:41:34  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 41	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 737
	<b>DOSE:</b> CONTROL UM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: LEUKEMIA MONUC	TGLs = 1-3.1			
Stomach		Forestomach	Acanthosis	Mild
Note: ACANTHOSIS	TGLs = 9			
Testes		Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Moderate
Note: ADENOMA	TGLs = 4-6			
Thyroid Gland		C Cell	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH		-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 568

DOSE: CONTROL UM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	Esophagus	Eye	Intestine Large - Colon
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland
Parathyroid Gland	Preputial Gland	Prostate	Skin
Stomach - Forestomach	Stomach - Glandular	Trachea	

MISSING

Thymus

OBSERVATIONS

Bone Marrow		Hyperplasia	Moderate
Harderian Gland		Pigmentation	Moderate
Note: PIGMENT	TGLs = 2-13		
Heart		Cardiomyopathy	Moderate
Intestine Large	Cecum	Parasite Metazoan	Moderate
	Rectum	Parasite Metazoan	Marked
Intestine Small	Artery, Duodenum	Inflammation	Chronic, Mild
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC	TGLs = 5-3		
Lung	Peribronchial	Inflammation	Chronic, Mild
		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC	TGLs = 6-1+2		
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Mild
	Mesenteric	Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC	TGLs = 7-8		
Nose		Inflammation	Chronic, Minimal
		Metaplasia	Squamous, Mild
Pancreas	Artery	Inflammation	Chronic, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Focal, Moderate

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 568

DOSE: CONTROL UM

DISP: Moribund

HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

Salivary Glands		Karyomegaly	Moderate
Seminal Vesicle		Atrophy	Mild
Spleen		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC	TGLs = 4-3+3.1		
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
Note: ADENOMA	TGLs = 3-6		
Thyroid Gland	C Cell	Hyperplasia	Marked
Urinary Bladder	Artery	Inflammation	Chronic, Mild
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 641

DOSE: CONTROL UM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Skin
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Leukemia Mononuclear	Marked
	Cortex	Necrosis	Focal, Mild
Bone Marrow		Leukemia Mononuclear	Marked
Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Minimal
Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC TGLs = 7-3			
Lung		Leukemia Mononuclear	Marked
Lymph Node	Mandibular	Leukemia Mononuclear	Marked
	Mesenteric	Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC TGLs = 4-9,8			
Nose		Fungus	Mild
		Inflammation	Acute, Moderate
		Metaplasia	Squamous, Mild
Preputial Gland		Inflammation	Chronic, Minimal
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Moderate
Spleen		Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC TGLs = 6-3			
Stomach	Forestomach	Acanthosis	Mild
	Forestomach	Ulcer	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:34

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

**Lab:** TSI MASON

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**ANIMAL ID:** 43

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 641

**DOSE:** CONTROL UM

**DISP:** Moribund

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Testes	Seminif Tub Bilateral, Interstit Cell	Atrophy Carcinoma	Moderate
Note: CARCINOMA      TGLs = 5-6			
Thyroid Gland	C Cell	Hyperplasia	Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 738

DOSE: CONTROL UM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Bone Marrow  
Intestine Large - Rectum  
Islets, Pancreatic  
Prostate  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Epididymis  
Intestine Small - Duodenum  
Lung  
Seminal Vesicle  
Thymus

Blood  
Esophagus  
Intestine Small - Ileum  
Parathyroid Gland  
Skin  
Thyroid Gland

Bone  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Preputial Gland  
Stomach - Forestomach  
Trachea

OBSERVATIONS

Brain  
Harderian Gland  
    Note: PIGMENT      TGLs = 1-13  
Heart  
Intestine Large  
Kidney  
Liver  
    Note: HYPERPLASIA      TGLs = 3-3  
Lymph Node  
  
    Note: ANGIECTASIS      TGLs = 5-9  
Mammary Gland  
  
    Note: GALACTOCELE      TGLs = 2-13  
Nose  
  
Pancreas  
Pituitary Gland  
    Note: ADENOMA      TGLs = 4-8  
Salivary Glands  
Spleen

Colon  
  
Bile Duct  
  
Lymphatic, Mandibular  
Mesenteric  
Mandibular  
  
  
Acinus  
Pars Distalis

Hydrocephalus  
Pigmentation  
  
Cardiomyopathy  
Parasite Metazoan  
Nephropathy  
Hyperplasia  
  
Angiectasis  
Granuloma  
Infiltration Cellular  
  
Ectasia  
Galactocele  
  
Inflammation  
Metaplasia  
Atrophy  
Adenoma  
  
Karyomegaly  
Hematopoietic Cell Proliferation

Mild  
Moderate  
  
Moderate  
Moderate  
Moderate  
Mild  
  
Marked  
Mild  
Plasma Cell, Marked  
  
Moderate  
  
Chronic, Mild  
Squamous, Mild  
Focal, Mild  
  
Mild  
Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:34

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 44	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 738
	<b>DOSE:</b> CONTROL UM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Testes	Interstit Cell	Adenoma
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<b>PRIMARY CAUSE OF DEATH</b>	-
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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 718

DOSE: CONTROL UM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mandibular	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Cortex Medulla	Cytoplasmic Alteration Pheochromocytoma Benign	Focal, Moderate
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Mild
Kidney	Renal Tubule	Cyst Nephropathy	Moderate
Note: CYST TGLs = 10-4.1 Note: NEPHROPATHY TGLs = 8-4,9-4			
Liver	Bile Duct	Hyperplasia Leukemia Mononuclear	Mild Moderate
Note: LEUKEMIA MONUC TGLs = 11-3			
Lung		Leukemia Mononuclear	Moderate
Lymph Node	Mediastinal Mesenteric	Congestion Leukemia Mononuclear	Mild Moderate
Note: LEUKEMIA MONUC TGLs = 12-8 Note: CONGESTION TGLs = 3-2			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 13-8			
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Marked
Skin	Subcut Tiss	Fibroma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:34

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

**Lab:** TSI MASON

**ANIMAL ID:** 45

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 718

**DOSE:** CONTROL UM

**DISP:** Moribund

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: FIBROMA Spleen	TGLs = 2-13+13.1		Fibrosis Leukemia Mononuclear	Focal, Moderate Moderate
Note: LEUKEMIA MONUC Stomach	TGLs = 5-3.1			
Note: FIBROSIS	TGLs = 6-3,7-3			
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED. Testes		Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Moderate
Note: ADENOMA Thyroid Gland	TGLs = 4-6	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH		-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 738

DOSE: CONTROL UM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Ear
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Parathyroid Gland	Pituitary Gland	Preputial Gland	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Prostate
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OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Blood		Leukemia Mononuclear	Moderate
Bone Marrow		Hyperplasia	Mild
Eye	Lens	Degeneration	Moderate
Note: DEGEN	TGLs = 1-14		
Heart		Cardiomyopathy	Minimal
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	Moderate
Lung		Leukemia Mononuclear	Moderate
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Nose		Metaplasia	Squamous, Mild
Pancreas	Acinus	Atrophy	Focal, Mild
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Marked
Spleen		Leukemia Mononuclear	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: ADENOMA	TGLs = 3-6		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:34

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 46	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 738
	<b>DOSE:</b> CONTROL UM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Thyroid Gland	C Cell	Hyperplasia	Marked
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 738

DOSE: CONTROL UM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Parathyroid Gland	Pituitary Gland	Preputial Gland
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Moderate
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Moderate
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Granuloma	Moderate
	Mandibular	Infiltration Cellular	Plasma Cell, Marked
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 1-13+13.1		
Nose		Fungus	
		Inflammation	Acute, Moderate
Pancreas	Acinus	Atrophy	Focal, Mild
Prostate		Atrophy	Marked
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Marked
Note: ATROPHY	TGLs = 5-6		
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
Note: ADENOMA	TGLs = 3-6		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:34

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 47	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 738
	<b>DOSE:</b> CONTROL UM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: ATROPHY      TGLs = 4-6

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<b>PRIMARY CAUSE OF DEATH</b>	-
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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 738

DOSE: CONTROL UM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Skin  
Trachea

Adrenal Gland - Medulla  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Stomach - Forestomach  
Urinary Bladder

Blood  
Epididymis  
Intestine Large - Rectum  
Islets, Pancreatic  
Stomach - Glandular

Bone  
Esophagus  
Intestine Small - Duodenum  
Parathyroid Gland  
Thymus

MISSING

Mammary Gland

OBSERVATIONS

Heart  
Kidney  
Liver  
Lung

Bile Duct  
Peribronchial

Cardiomyopathy  
Nephropathy  
Hyperplasia  
Alveolar/Bronchiolar Adenoma  
Inflammation

Moderate  
Mild  
Mild  
Chronic, Mild

Note: ALV BRON ADEN TGLs = 3-2.1

Lymph Node

Lymphatic, Mesenteric  
Mesenteric  
Mandibular

Angiectasis  
Granuloma  
Infiltration Cellular  
Metaplasia  
Atrophy  
Adenoma

Moderate  
Mild  
Plasma Cell, Marked  
Squamous, Mild  
Focal, Marked

Nose

Pancreas

Pituitary Gland

Note: ADENOMA TGLs = 2-8

Preputial Gland

Prostate

Salivary Glands

Seminal Vesicle

Spleen

Acinus  
Pars Distalis

Inflammation  
Atrophy  
Karyomegaly  
Atrophy  
Hematopoietic Cell Proliferation  
Pigmentation

Chronic, Mild  
Marked  
Moderate  
Marked  
Minimal  
Hemosiderin, Mild

Testes

Bilateral, Interstit Cell  
Seminif Tub

Adenoma  
Atrophy

Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:34

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 49	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 738
	<b>DOSE:</b> CONTROL UM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: ADENOMA	TGLs = 1-6		
Thyroid Gland		C Cell	Adenoma
<b>PRIMARY CAUSE OF DEATH</b>		-	

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 738

DOSE: CONTROL UM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Nose	Skin
Spleen	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland Note: PHEOCHROM MAL TGLs = 4-8.1	Medulla	Pheochromocytoma Malignant	
Heart		Cardiomyopathy	Moderate
Kidney	Renal Tubule Transit Epithe	Adenoma Hyperplasia Nephropathy	Focal, Mild Marked
Liver	Bile Duct	Hyperplasia	Mild
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node Note: INFILTRAT CELL TGLs = 2-9	Mesenteric Mandibular	Granuloma Infiltration Cellular	Mild Plasma Cell, Marked
Pancreas	Acinus	Atrophy	Focal, Mild
Pituitary Gland Note: PIGMENT TGLs = 5-8	Pars Distalis	Pigmentation	Hemosiderin, Mild
Preputial Gland Note: CARCINOMA TGLs = 1-13		Carcinoma	
Prostate		Atrophy	Marked
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Marked
Stomach	Forestomach	Inflammation	Chronic, Mild
Testes	Bilateral, Interstit Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:34

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 50	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 738
	<b>DOSE:</b> CONTROL UM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Note: ADENOMA	TGLs = 3-6	Seminif Tub	Atrophy
Thyroid Gland		Follicle	Cyst
MODERATE			Moderate
<b>PRIMARY CAUSE OF DEATH</b>	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 52

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: CONTROL UM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Islets, Pancreatic	Mammary Gland	Pancreas	Preputial Gland
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OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Harderian Gland		Pigmentation	Moderate
Note: PIGMENT TGLs = 1-13			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Mild
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 4-13			
Nose		Inflammation	Chronic, Mild
		Metaplasia	Squamous, Mild
Prostate		Hyperplasia	Focal, Mild
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Marked
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
Note: ADENOMA TGLs = 3-6			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 53

TRT#: 1

SEX: Male

DAY ON TEST: 703

DOSE: CONTROL UM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Mild
	Medulla	Pheochromocytoma Benign	
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC	TGLs = 5-2		
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC	TGLs = 10-3		
Lung		Hemangiosarcoma	Metastatic (Spleen)
		Leukemia Mononuclear	Moderate
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Marked
	Mandibular	Leukemia Mononuclear	Moderate
	Mediastinal	Leukemia Mononuclear	Moderate
	Mesenteric	Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC	TGLs = 6-3.1		
Mammary Gland		Galactocele	
Note: GALACTOCELE	TGLs = 4-10.1		
Nose		Metaplasia	Squamous, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 17:41:34  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 53	<b>TRT#:</b> 1 <b>DOSE:</b> CONTROL UM	<b>SEX:</b> Male <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 703 <b>HISTO:</b>
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<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Preputial Gland Note: CYST TGLs = 3-10		Cyst	
Skin Note: [ BASAL CEL ADEN ] TGLs = 2-10.1		Basal Cell Adenoma	
Spleen  Note: LEUKEMIA MONUC TGLs = 8-3.1 Note: HEMANGIOSARC TGLs = 9-3.1		Hemangiosarcoma Leukemia Mononuclear	Moderate
Stomach Testes  Note: ADENOMA TGLs = 7-6	Forestomach Interstit Cell Seminif Tub	Hyperplasia Adenoma Atrophy	Basal Cell, Mild  Moderate

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<b>PRIMARY CAUSE OF DEATH</b>	-
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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:34

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 55

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: CONTROL UM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic
Mammary Gland	Pituitary Gland	Prostate	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Intestine Small - Ileum

INSUFFICIENT TISSUE

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Moderate
Blood		Leukemia Mononuclear	Mild
Heart		Cardiomyopathy	Marked
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	Mild
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Lymphatic, Mandibular	Angiectasis	Moderate
	Lymphatic, Mesenteric	Angiectasis	Marked
Note: ANGIECTASIS	TGLs = 5-8		
Note: ANGIECTASIS	TGLs = 2-9		
Nose		Metaplasia	Squamous, Minimal
Pancreas	Acinus	Atrophy	Focal, Moderate
Preputial Gland		Inflammation	Chronic, Mild
Note: INFLAMMATION	TGLs = 1-10		
Salivary Glands		Karyomegaly	Mild
Spleen		Leukemia Mononuclear	Mild
Testes	Bilateral, Interstit Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 55	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 736
	<b>DOSE:</b> CONTROL UM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Note: ADENOMA	TGLs = 3-6	Seminif Tub	Atrophy
			Moderate

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<b>PRIMARY CAUSE OF DEATH</b>	-
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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 57

TRT#: 1

SEX: Male

DAY ON TEST: 460

DOSE: CONTROL UM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Parathyroid Gland  
Seminal Vesicle  
Testes  
Urinary Bladder

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Rectum  
Islets, Pancreatic  
Preputial Gland  
Skin  
Thymus

Bone  
Esophagus  
Intestine Small - Duodenum  
Liver  
Prostate  
Spleen  
Thyroid Gland

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

MISSING

Pituitary Gland

OBSERVATIONS

Heart  
Kidney  
Lung  
  
Note: CONGESTION    TGLs = 1-1  
Lymph Node  
  
Nose  
  
Pancreas  
Stomach

Peribronchial  
  
Mesenteric  
Mandibular  
  
Acinus  
Forestomach

Cardiomyopathy  
Nephropathy  
Congestion  
Inflammation  
  
Congestion  
Infiltration Cellular  
Inflammation  
Metaplasia  
Atrophy  
Ulcer

Moderate  
Minimal  
Moderate  
Chronic, Mild  
  
Mild  
Plasma Cell, Mild  
Chronic, Mild  
Squamous, Marked  
Focal, Mild  
Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 58

TRT#: 1

SEX: Male

DAY ON TEST: 714

DOSE: CONTROL UM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mammary Gland	Pancreas	Parathyroid Gland	Pituitary Gland
Preputial Gland	Skin	Stomach - Glandular	Trachea
Urinary Bladder			

MISSING

Lymph Node - Mesenteric	Thymus
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OBSERVATIONS

Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Moderate
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Mild
Liver		Fatty Change	Mild
		Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC	TGLs = 5-3		
Lung		Leukemia Mononuclear	Marked
Lymph Node	Mandibular	Leukemia Mononuclear	Marked
	Pancreatic	Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC	TGLs = 6-9		
Nose		Metaplasia	Squamous, Mild
Prostate		Atrophy	Moderate
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Marked
Note: ATROPHY	TGLs = 3-6		
Spleen		Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC	TGLs = 4-3		
Stomach	Forestomach	Ulcer	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 58	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 714
	<b>DOSE:</b> CONTROL UM	<b>DISP:</b> Moribund	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: ADENOMA	TGLs = 1-6,2-6		
Thyroid Gland	C Cell	Adenoma	
<b>PRIMARY CAUSE OF DEATH</b>	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 60

TRT#: 1

SEX: Male

DAY ON TEST: 682

DOSE: CONTROL UM

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

AUTO PRECLUDES DIAG.

Intestine Large - Cecum

OBSERVATIONS

Brain		Hydrocephalus	Mild
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Moderate
Note: NEPHROPATHY	TGLs = 5-4,6-4		
Liver	Bile Duct	Hyperplasia	Mild
Lung	Peribronchial	Inflammation	Chronic, Moderate
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Mammary Gland		Ectasia	Marked
		Galactocele	
Note: GALACTOCELE	TGLs = 4-13		
Pancreas	Acinus	Atrophy	Focal, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 7-8		
Preputial Gland		Adenoma	
Note: ADENOMA	TGLs = 2-10,3-10		
Prostate		Inflammation	Acute, Moderate
Testes	Interstit Cell	Adenoma	
Thyroid Gland	C Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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**ANIMAL ID:** 60

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 682

**DOSE:** CONTROL UM

**DISP:** Dead

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 62

TRT#: 2

SEX: Male

DAY ON TEST: 732

DOSE: 0.06% LM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Pancreas	Parathyroid Gland	Prostate
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Moderate
		Necrosis	Focal, Minimal
Lung	Peribronchial	Inflammation	Chronic, Mild
	Alveolar Epith	Metaplasia	Marked
[ Metaplasia TGLS = 5-1.1 ]			
Lymph Node	Mesenteric	Granuloma	Minimal
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Cyst	
Preputial Gland		Cyst	
Note: CYST TGLs = 1-10			
Salivary Glands		Karyomegaly	Moderate
Seminal Vesicle		Atrophy	Marked
Note: ATROPHY TGLs = 2-6			
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
Note: ADENOMA TGLs = 3-6,4-6			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 62	<b>TRT#:</b> 2 <b>DOSE:</b> 0.06% LM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 732 <b>HISTO:</b>
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Thyroid Gland	C Cell	Adenoma	
<b>PRIMARY CAUSE OF DEATH</b>	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 63

TRT#: 2

SEX: Male

DAY ON TEST: 732

DOSE: 0.06% LM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Moderate
Intestine Large	Colon	Parasite Metazoan	Moderate
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Mild
		Necrosis	Focal, Minimal
Lung		Alveolar/Bronchiolar Carcinoma	
[ Alveolar/Bronchiolar Carcinoma TGLS = 4-1 ]			
Lymph Node	Mandibular	Congestion	Marked
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
Note: CONGESTION	TGLs = 2-9		
Nose		Inflammation	Chronic, Mild
		Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Chronic, Minimal
Prostate		Atrophy	Moderate
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Marked
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: ADENOMA	TGLs = 3-6		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 65

TRT#: 2

SEX: Male

DAY ON TEST: 725

DOSE: 0.06% LM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Mammary Gland	Nose
Prostate	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland Note: PHEOCHROM BGN TGLs = 3-8	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Moderate
Liver		Fatty Change	Mild
Lymph Node	Mesenteric	Granuloma	Mild
Pancreas	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
Pituitary Gland Note: ADENOMA TGLs = 4-8	Acinus	Atrophy	Focal, Mild
Preputial Gland	Pars Distalis	Adenoma	
Salivary Glands		Inflammation	Chronic, Minimal
Seminal Vesicle		Karyomegaly	Moderate
Spleen		Atrophy	Moderate
Testes	Interstit Cell	Hematopoietic Cell Proliferation	Mild
Note: ADENOMA TGLs = 5	Interstit Cell	Adenoma	
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
		Adenoma	

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 66

TRT#: 2

SEX: Male

DAY ON TEST: 687

DOSE: 0.06% LM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland	Parathyroid Gland
Prostate	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

MISSING

Pituitary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Mild
	Medulla	Leukemia Mononuclear	Marked
	Bilateral, Medulla	Pheochromocytoma Benign	
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Mild
Intestine Small	Ileum	Leukemia Mononuclear	Marked
Kidney		Nephropathy	Mild
	Renal Tubule	Pigmentation	Mild
Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	Marked
	[ Hyperplasia TGLS = 8-3 ]		
	[ Leukemia Mononuclear TGLS = 7-3.1 ]		
Lung		Inflammation	Subacute, Focal, Mild
		Leukemia Mononuclear	Marked
Lymph Node	Lymphatic, Mandibular	Angiectasis	Moderate
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
	Mandibular	Leukemia Mononuclear	Marked
	Mediastinal	Leukemia Mononuclear	Marked
	Mesenteric	Leukemia Mononuclear	Marked

Note: ANGIECTASIS TGLs = 3-9

Note: LEUKEMIA MONUC TGLs = 4

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

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<b>ANIMAL ID:</b> 66	<b>TRT#:</b> 2 <b>DOSE:</b> 0.06% LM	<b>SEX:</b> Male <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 687 <b>HISTO:</b>
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Nose		Inflammation Metaplasia	Chronic, Mild Squamous, Marked
Note: INFLAMMATION TGLs = 2-12			
Pancreas		Leukemia Mononuclear	Marked
Preputial Gland		Leukemia Mononuclear	Marked
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Moderate
Spleen		Leukemia Mononuclear	Marked
[ Leukemia Mononuclear TGLS = 5-3 ]			
Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Moderate
Note: ADENOMA TGLs = 6-6			
Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 67

TRT#: 2

SEX: Male

DAY ON TEST: 735

DOSE: 0.06% LM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Mammary Gland	Pancreas	Parathyroid Gland
Preputial Gland	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Moderate
Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	Moderate
[ Hepatodiaphragmatic Nodule TGLS = 2-3 ]			
Lung		Leukemia Mononuclear	Moderate
Lymph Node	Lymphatic, Mandibular	Angiectasis	Mild
	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Marked
	Mesenteric	Leukemia Mononuclear	Moderate
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 3-8			
Prostate		Atrophy	Mild
Salivary Glands		Karyomegaly	Moderate
Seminal Vesicle		Atrophy	Marked
Spleen		Leukemia Mononuclear	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: ADENOMA TGLs = 1-6			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 68

TRT#: 2

SEX: Male

DAY ON TEST: 733

DOSE: 0.06% LM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Bone

Brain

Epididymis

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Parathyroid Gland

Preputial Gland

Stomach - Forestomach

Stomach - Glandular

Thyroid Gland

Trachea

MISSING

Thymus

OBSERVATIONS

Adrenal Gland

Medulla

Hyperplasia

Focal, Mild

Blood

Leukemia Mononuclear

Marked

Note: LEUKEMIA MONUC TGLs = 3-13

Bone Marrow

Myelofibrosis

Marked

Heart

Leukemia Mononuclear

Marked

Kidney

Nephropathy

Mild

Liver

Bile Duct

Hyperplasia

Marked

Note: LEUKEMIA MONUC TGLs = 10-3

Leukemia Mononuclear

Marked

Lung

Leukemia Mononuclear

Marked

Lymph Node

Mandibular

Leukemia Mononuclear

Marked

Mediastinal

Leukemia Mononuclear

Marked

Mesenteric

Leukemia Mononuclear

Marked

Note: LEUKEMIA MONUC TGLs = 4-9

Note: LEUKEMIA MONUC TGLs = 9-2

Mammary Gland

Ectasia

Moderate

Nose

Inflammation

Chronic, Mild

Metaplasia

Squamous, Mild

Leukemia Mononuclear

Marked

Pancreas

Note: LEUKEMIA MONUC TGLs = 8-9

Pituitary Gland

Pars Distalis

Hyperplasia

Focal, Mild

Prostate

Atrophy

Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 17:41:35  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 68	<b>TRT#:</b> 2 <b>DOSE:</b> 0.06% LM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 733 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Salivary Glands		Karyomegaly	Moderate
Seminal Vesicle		Atrophy	Marked
Skin		Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC	TGLs = 2-10		
Spleen		Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC	TGLs = 6-3		
Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Hypospermia	
Note: ADENOMA	TGLs = 5-6		
Urinary Bladder		Leukemia Mononuclear	Marked

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 71

TRT#: 2

SEX: Male

DAY ON TEST: 619

DOSE: 0.06% LM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Nose
Parathyroid Gland	Preputial Gland	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Testes
Trachea	Urinary Bladder		

MISSING

Intestine Large - Cecum	Thymus
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OBSERVATIONS

Brain		Hydrocephalus	Mild
Heart		Cardiomyopathy	Mild
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Mild
Note: NEPHROPATHY	TGLs = 2-4		
Liver	Bile Duct	Hyperplasia	Mild
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Marked
Mammary Gland		Ectasia	Marked
Pancreas	Acinus	Atrophy	Focal, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 3-8		
Prostate		Inflammation	Chronic, Mild
Spleen		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 72

TRT#: 2

SEX: Male

DAY ON TEST: 735

DOSE: 0.06% LM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland
Pancreas	Parathyroid Gland	Prostate	Skin
Spleen	Stomach - Forestomach	Thymus	Thyroid Gland
Trachea			

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Adrenal Gland Note: PHEOCHROM BGN TGLs = 3-8	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Moderate
Intestine Large	Cecum	Parasite Metazoan	Marked
	Rectum	Parasite Metazoan	Marked
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Moderate
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Granuloma	Mild
Nose		Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Preputial Gland		Inflammation	Chronic, Minimal
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Marked
Stomach Note: HYPERPLASIA TGLs = 4-7	Glandular	Hyperplasia	Lymphoid, Moderate
Testes Note: ADENOMA TGLs = 1-6,2-6	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Marked
Urinary Bladder		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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**ANIMAL ID:** 72

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 735

**DOSE:** 0.06% LM

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 73

TRT#: 2

SEX: Male

DAY ON TEST: 603

DOSE: 0.06% LM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Leukemia Mononuclear	Marked
Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Moderate
Kidney	Renal Tubule	Necrosis	Focal, Mild
		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC TGLs = 5-3			
Lung		Leukemia Mononuclear	Marked
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Marked
	Mediastinal	Leukemia Mononuclear	Marked
	Mesenteric	Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC TGLs = 2-1			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 6-8			
Spleen		Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC TGLs = 4-3			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 3-6			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 74

TRT#: 2

SEX: Male

DAY ON TEST: 735

DOSE: 0.06% LM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Small - Jejunum  
Preputial Gland  
Trachea

Adrenal Gland - Medulla  
Esophagus  
Islets, Pancreatic  
Skin  
Urinary Bladder

Bone  
Intestine Small - Duodenum  
Mammary Gland  
Stomach - Forestomach

Bone Marrow  
Intestine Small - Ileum  
Parathyroid Gland  
Stomach - Glandular

MISSING

Thymus

OBSERVATIONS

Epididymis  
Note: [ MESOTHELIO MAL ] TGLs = 5-6.1

Mesothelioma Malignant

Heart  
Intestine Large

Cardiomyopathy  
Parasite Metazoan  
Parasite Metazoan  
Parasite Metazoan

Moderate  
Mild  
Marked  
Marked

Cecum  
Colon  
Rectum

Kidney  
Liver

Nephropathy  
Hepatodiaphragmatic Nodule  
Hyperplasia  
Leukemia Mononuclear

Moderate  
Mild  
Mild

Bile Duct

[ Hepatodiaphragmatic Nodule TGLS = 4-3 ]

Lung  
Lymph Node

Inflammation  
Granuloma  
Infiltration Cellular

Chronic, Mild  
Mild  
Plasma Cell, Moderate

Peribronchial  
Mesenteric  
Mandibular

Mesentery  
Note: [ MESOTHELIO MAL ] TGLs = 2-6.1

Mesothelioma Malignant

Nose

Fungus  
Inflammation  
Metaplasia

Acute, Moderate  
Squamous, Mild  
Focal, Mild

Pancreas

Acinus

Atrophy  
Mesothelioma Malignant

Pituitary Gland

Pars Distalis

Hyperplasia

Focal, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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**ANIMAL ID:** 74

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 735

**DOSE:** 0.06% LM

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Prostate		Atrophy	Moderate
Salivary Glands		Karyomegaly	Moderate
Seminal Vesicle		Atrophy	Marked
Spleen		Leukemia Mononuclear	Mild
Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy Mesothelioma Malignant	Marked
Note: ADENOMA	TGLs = 3-6		
Thyroid Gland	C Cell	Adenoma	

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 75

TRT#: 2

SEX: Male

DAY ON TEST: 613

DOSE: 0.06% LM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Preputial Gland	Salivary Glands	Seminal Vesicle	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Intestine Large - Colon	Thymus
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OBSERVATIONS

Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Moderate
Liver		Fatty Change	Marked
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Lymphatic, Mandibular	Angiectasis	Moderate
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Mammary Gland		Ectasia	Marked
Mesentery		Fibrosis	Marked
		Inflammation	Acute, Moderate
Note: FIBROSIS	TGLs = 5-13		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 7-8		
Prostate		Inflammation	Chronic, Mild
Skin	Subcut Tiss	Fibroma	
Note: [ FIBROMA ]	TGLs = 4-14		
Spleen		Pigmentation	Hemosiderin, Moderate
Stomach	Forestomach	Ulcer	Marked
Note: ULCER	TGLs = 6-13,8-13		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 76

TRT#: 2

SEX: Male

DAY ON TEST: 735

DOSE: 0.06% LM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Preputial Gland  
Thymus

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Rectum  
Islets, Pancreatic  
Spleen  
Thyroid Gland

Bone  
Esophagus  
Intestine Small - Duodenum  
Nose  
Stomach - Forestomach  
Trachea

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Parathyroid Gland  
Stomach - Glandular  
Urinary Bladder

OBSERVATIONS

Heart  
Kidney  
Liver  
Lung  
Lymph Node  
  
Mammary Gland  
Note: GALACTOCELE TGLs = 2-13  
Pancreas  
Pituitary Gland  
Note: ADENOMA TGLs = 4-8  
Prostate  
Salivary Glands  
Seminal Vesicle  
Skin  
Note: FIBROMA TGLs = 1-13  
Testes  
  
Note: ADENOMA TGLs = 3-6

Bile Duct  
Peribronchial  
Mesenteric  
Mandibular  
  
  
  
  
  
Subcut Tiss  
  
Bilateral, Interstit Cell  
Seminif Tub

Cardiomyopathy  
Nephropathy  
Hyperplasia  
Inflammation  
Granuloma  
Infiltration Cellular  
Galactocele  
  
Atrophy  
Adenoma  
  
Atrophy  
Karyomegaly  
Atrophy  
Fibroma  
  
Adenoma  
Atrophy

Marked  
Moderate  
Mild  
Chronic, Mild  
Mild  
Plasma Cell, Moderate  
  
Focal, Moderate  
  
Moderate  
Moderate  
Moderate  
  
Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 77

TRT#: 2

SEX: Male

DAY ON TEST: 652

DOSE: 0.06% LM

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Brain

Epididymis

Esophagus

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Islets, Pancreatic

Lymph Node - Mandibular

Pancreas

Parathyroid Gland

Stomach - Forestomach

Thymus

Thyroid Gland

Trachea

MISSING

Mammary Gland

AUTO PRECLUDES DIAG.

Intestine Small - Ileum

Intestine Small - Jejunum

Urinary Bladder

OBSERVATIONS

Bone Marrow

Hyperplasia

Moderate

Heart

Cardiomyopathy

Mild

Intestine Large

Cecum

Parasite Metazoan

Mild

Kidney

Mineralization

Focal, Marked

Nephropathy

Moderate

Necrosis

Focal, Marked

Liver

[ Necrosis TGLS = 9-3 ]

Lung

Peribronchial

Inflammation

Chronic, Moderate

[ Inflammation TGLS = 4-1+2 ]

Lymph Node

Mesenteric

Granuloma

Mild

Nose

Metaplasia

Squamous, Mild

Pituitary Gland

Pars Distalis

Hyperplasia

Focal, Mild

Preputial Gland

Carcinoma

Note: CARCINOMA TGLs = 3-14

Prostate

Atrophy

Moderate

Salivary Glands

Karyomegaly

Mild

Seminal Vesicle

Atrophy

Marked

Note: ATROPHY TGLs = 7-6

Skin

Subcut Tiss

Fibroma

Note: FIBROMA TGLs = 2-13

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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**ANIMAL ID:** 77

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 652

**DOSE:** 0.06% LM

**DISP:** Dead

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Spleen		Hematopoietic Cell Proliferation	Marked
Stomach	Glandular	Mineralization	Minimal
Note: MINERALIZATION	TGLs = 8-7		
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
Note: ADENOMA	TGLs = 5-6,6-6		

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 79

TRT#: 2

SEX: Male

DAY ON TEST: 585

DOSE: 0.06% LM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	Moderate
Lung		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC	TGLs = 6-1+2		
Lymph Node	Mandibular	Leukemia Mononuclear	Moderate
	Mesenteric	Leukemia Mononuclear	Moderate
	Pancreatic	Leukemia Mononuclear	Moderate
	Renal	Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC	TGLs = 9-9,10-9		
Note: LEUKEMIA MONUC	TGLs = 3-9		
Note: LEUKEMIA MONUC	TGLs = 11-8		
Note: LEUKEMIA MONUC	TGLs = 12-3		
Nose		Inflammation	Chronic, Moderate
		Metaplasia	Squamous, Marked
Pancreas	Acinus	Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Cyst	
Seminal Vesicle		Atrophy	Mild
Note: ATROPHY	TGLs = 8-6		
Spleen		Leukemia Mononuclear	Moderate

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 79	<b>TRT#:</b> 2 <b>DOSE:</b> 0.06% LM	<b>SEX:</b> Male <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 585 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: LEUKEMIA MONUC TGLs = 4-3.1,5-3.1			
Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Moderate
Note: ADENOMA TGLs = 7-6			
Thymus		Leukemia Mononuclear	Moderate

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<b>PRIMARY CAUSE OF DEATH</b>	-
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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 80

TRT#: 2

SEX: Male

DAY ON TEST: 723

DOSE: 0.06% LM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Mammary Gland	Nose	Preputial Gland
Prostate	Skin	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland Note: PHEOCHROM BGN TGLs = 5-8	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Moderate
Kidney  Note: NEPHROPATHY TGLs = 6-4 Note: CYST TGLs = 7-4	Renal Tubule	Cyst Nephropathy	Marked
Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Marked
Pancreas Note: ATROPHY TGLs = 4-9	Acinus	Atrophy	Focal, Marked
Parathyroid Gland		Hyperplasia	Moderate
Pituitary Gland Note: ADENOMA TGLs = 8-8	Pars Distalis	Adenoma	
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Moderate
Spleen		Pigmentation	Hemosiderin, Mild
Stomach	Forestomach	Acanthosis	Moderate
Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 80	<b>TRT#:</b> 2 <b>DOSE:</b> 0.06% LM	<b>SEX:</b> Male <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 723 <b>HISTO:</b>
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<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
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Note: ADENOMA	TGLs = 2-6,3-6		
Thyroid Gland	C Cell	Hyperplasia	Mild
<b>PRIMARY CAUSE OF DEATH</b>	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 81

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.06% LM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Brain

Epididymis

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Parathyroid Gland

Pituitary Gland

Preputial Gland

Seminal Vesicle

Skin

Stomach - Forestomach

Stomach - Glandular

Trachea

Urinary Bladder

MISSING

Mammary Gland

Thymus

OBSERVATIONS

Blood

Leukemia Mononuclear

Moderate

Bone Marrow

Hyperplasia

Mild

Heart

Cardiomyopathy

Mild

Intestine Large

Rectum

Parasite Metazoan

Mild

Kidney

Nephropathy

Mild

Liver

Bile Duct

Hyperplasia

Mild

Leukemia Mononuclear

Moderate

Note: LEUKEMIA MONUC TGLs = 5-3

Lung

Leukemia Mononuclear

Moderate

Lymph Node

Mandibular

Infiltration Cellular

Plasma Cell, Mild

Mandibular

Leukemia Mononuclear

Moderate

Mesenteric

Leukemia Mononuclear

Moderate

Nose

Inflammation

Chronic, Mild

Metaplasia

Squamous, Mild

Edema

Moderate

Pancreas

Note: EDEMA TGLs = 4-9

Prostate

Inflammation

Acute, Mild

Salivary Glands

Karyomegaly

Moderate

Spleen

Leukemia Mononuclear

Moderate

Note: LEUKEMIA MONUC TGLs = 3-3

Testes

Bilateral, Interstit Cell

Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 81	<b>TRT#:</b> 2 <b>DOSE:</b> 0.06% LM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 737 <b>HISTO:</b>
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Note: ADENOMA Thyroid Gland	TGLs = 1-6,2-6 Seminif Tub C Cell	Atrophy Hyperplasia	Moderate Minimal
<b>PRIMARY CAUSE OF DEATH</b>	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 82

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.06% LM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mammary Gland	Parathyroid Gland	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Mild
Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hepatodiaphragmatic Nodule	
	[ Hepatodiaphragmatic Nodule TGLS = 4-3 ]	Hyperplasia	Mild
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
Nose		Inflammation	Chronic, Mild
		Metaplasia	Squamous, Mild
Pancreas	Acinus	Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
Preputial Gland		Adenoma	
Prostate		Atrophy	Mild
Salivary Glands		Karyomegaly	Moderate
Seminal Vesicle		Atrophy	Marked
Note: ATROPHY	TGLs = 1-6		
Spleen		Pigmentation	Hemosiderin, Mild
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
Note: ADENOMA	TGLs = 2-6		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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**ANIMAL ID:** 82

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 737

**DOSE:** 0.06% LM

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: ATROPHY      TGLs = 3-6

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 83

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.06% LM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Ear
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Parathyroid Gland
Prostate	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Marked
	Medulla	Pheochromocytoma Benign	
Note: PHEOCHROM BGN TGLs = 5-8			
Heart		Cardiomyopathy	Moderate
Intestine Large	Colon	Parasite Metazoan	Mild
	Rectum	Parasite Metazoan	Moderate
Kidney		Nephropathy	Moderate
Liver		Angiectasis	Moderate
	Bile Duct	Hyperplasia	Mild
[ Angiectasis TGLS = 6-3 ]			
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Marked
Nose		Metaplasia	Squamous, Mild
Pancreas	Acinus	Atrophy	Focal, Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Marked
Preputial Gland		Carcinoma	
		Inflammation	Acute, Mild
Note: CARCINOMA TGLs = 2-10			
Salivary Glands		Karyomegaly	Moderate
Seminal Vesicle		Atrophy	Marked
Spleen		Hematopoietic Cell Proliferation	Mild

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05035-03  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 17:41:35  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 83	<b>TRT#:</b> 2 <b>DOSE:</b> 0.06% LM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 737 <b>HISTO:</b>
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Testes Note: ADENOMA TGLs = 4-6	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Marked
Thyroid Gland Tongue Note: PAPILLOMA SQUA TGLs = 3-3	C Cell	Hyperplasia Squamous Cell Papilloma	Mild
<b>PRIMARY CAUSE OF DEATH</b>	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 84

TRT#: 2

SEX: Male

DAY ON TEST: 635

DOSE: 0.06% LM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lymph Node - Mesenteric	Mammary Gland	Pancreas	Preputial Gland
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland

OBSERVATIONS

Brain		Hydrocephalus	Moderate
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
Lung		Alveolar/Bronchiolar Adenoma	
	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
Nose		Inflammation	Acute, Mild
		Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 3-8		
Prostate		Inflammation	Acute, Minimal
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Moderate
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
Note: ADENOMA	TGLs = 2-6		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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**ANIMAL ID:** 84

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 635

**DOSE:** 0.06% LM

**DISP:** Moribund

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 85

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.06% LM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Nose	Pancreas	Preputial Gland	Seminal Vesicle
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Trachea			

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Moderate
Islets, Pancreatic		Adenoma	
Kidney	Renal Tubule	Hyperplasia	Mild
		Nephropathy	Marked
Note: NEPHROPATHY	TGLs = 4-4,5-4,6-4		
Liver		Leukemia Mononuclear	Moderate
Lung		Leukemia Mononuclear	Moderate
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Parathyroid Gland		Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 7-8		
Prostate		Inflammation	Acute, Mild
Salivary Glands		Karyomegaly	Mild
Skin		Keratoacanthoma	
Note: KERATOACANTHMA	TGLs = 1-13		
Spleen		Leukemia Mononuclear	Moderate
		Sarcoma	
Note: [ SARCOMA ]	TGLs = 3-3.1		
Thyroid Gland	C Cell	Hyperplasia	Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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**ANIMAL ID:** 85

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 737

**DOSE:** 0.06% LM

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Urinary Bladder

Concretion

Marked

Inflammation

Chronic, Minimal

Note: CONCRETION TGLs = 8-9

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 86

TRT#: 2

SEX: Male

DAY ON TEST: 691

DOSE: 0.06% LM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Epididymis
Esophagus	Eye	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Nose	Parathyroid Gland	Seminal Vesicle	Skin
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Bone Marrow		Hyperplasia	Moderate
Harderian Gland		Pigmentation	Moderate
Note: PIGMENT TGLs = 1-13			
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Carcinoma	
Note: CARCINOMA TGLs = 9-13			
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Marked
Note: LEUKEMIA MONUC TGLs = 10-3		Leukemia Mononuclear	Marked
Lung		Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC TGLs = 4-1+2			
Lymph Node	Lymphatic, Mesenteric	Angiectasis	Moderate
	Mesenteric	Congestion	Mild
	Mandibular	Leukemia Mononuclear	Marked
	Mesenteric	Leukemia Mononuclear	Marked
Note: ANGIECTASIS TGLs = 8-8			
Pancreas	Acinus	Atrophy	Focal, Marked
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Focal, Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 86

TRT#: 2

SEX: Male

DAY ON TEST: 691

DOSE: 0.06% LM

DISP: Moribund

HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

Preputial Gland		Carcinoma	
Note: CARCINOMA	TGLs = 3-10		
Prostate		Atrophy	Mild
Salivary Glands		Karyomegaly	Mild
Spleen		Hemangiosarcoma	
		Leukemia Mononuclear	Marked
Note: HEMANGIOSARC	TGLs = 7-3		
[ Hemangiosarcoma TGLS = 6-3 ]			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
Note: ADENOMA	TGLs = 5-6		
Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 88

TRT#: 2

SEX: Male

DAY ON TEST: 671

DOSE: 0.06% LM

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Islets, Pancreatic
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea		

MISSING

Thymus

AUTO PRECLUDES DIAG.

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

Adrenal Gland	Cortex	Leukemia Mononuclear	Marked
	Medulla	Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC	TGLs = 5-8		
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Mild
Liver		Congestion	Marked
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	Marked
[ Congestion TGLS = 6-3 ]			
[ Hyperplasia TGLS = 7-3 ]			
Lung		Leukemia Mononuclear	Marked
[ Leukemia Mononuclear TGLS = 3-1+2 ]			
Lymph Node	Mediastinal	Congestion	Moderate
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
	Mediastinal	Leukemia Mononuclear	Marked
	Mesenteric	Leukemia Mononuclear	Marked
Note: CONGESTION	TGLs = 2-13		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 8-8		

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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**ANIMAL ID:** 88

**TRT#:** 2

**DOSE:** 0.06% LM

**SEX:** Male

**DISP:** Dead

**DAY ON TEST:** 671

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Preputial Gland

Inflammation

Chronic, Mild

Prostate

Atrophy

Moderate

Salivary Glands

Karyomegaly

Mild

Spleen

Leukemia Mononuclear

Marked

[ Leukemia Mononuclear TGLS = 4-3 ]

Testes

Interstit Cell

Adenoma

Note: ADENOMA TGLs = 9

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 89

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.06% LM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mandibular	Thymus
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OBSERVATIONS

Blood		Leukemia Mononuclear	Moderate
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Moderate
Liver		Leukemia Mononuclear	Moderate
Lung		Leukemia Mononuclear	Moderate
Lymph Node	Lymphatic, Mesenteric Mesenteric	Angiectasis Leukemia Mononuclear	Moderate Moderate
Note: ANGIECTASIS	TGLs = 6-8		
Nose		Fungus Inflammation	Acute, Mild
Preputial Gland		Carcinoma Inflammation	Chronic, Mild
Note: CARCINOMA	TGLs = 2-10.1		
Prostate		Atrophy	Mild
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Marked
Note: ATROPHY	TGLs = 5-6		
Spleen		Leukemia Mononuclear	Moderate
[ Leukemia Mononuclear TGLS = 4-3 ]			
Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 89	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 737
	<b>DOSE:</b> 0.06% LM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: ADENOMA	TGLs = 3-6
<b>PRIMARY CAUSE OF DEATH</b>	-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 91

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.06% LM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Epididymis

Esophagus

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Lung

Parathyroid Gland

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Eye

Carcinoma

Metastatic (Harderian Gland)

Note: CARCINOMA

TGLs = 1-13

Harderian Gland

Carcinoma

Note: CARCINOMA

TGLs = 5-13.1

Heart

Cardiomyopathy

Mild

Intestine Large

Cecum

Parasite Metazoan

Mild

Colon

Parasite Metazoan

Moderate

Kidney

Nephropathy

Mild

Liver

Bile Duct

Hyperplasia

Moderate

Necrosis

Focal, Minimal

Lymph Node

Mesenteric

Granuloma

Moderate

Mandibular

Infiltration Cellular

Plasma Cell, Mild

Nose

Cyst

Inflammation

Chronic, Moderate

Metaplasia

Squamous, Mild

Pancreas

Acinus

Atrophy

Focal, Mild

Pituitary Gland

Pars Distalis

Adenoma

Preputial Gland

Inflammation

Chronic, Mild

Prostate

Atrophy

Moderate

Salivary Glands

Karyomegaly

Mild

Seminal Vesicle

Atrophy

Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 91	<b>TRT#:</b> 2 <b>DOSE:</b> 0.06% LM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 737 <b>HISTO:</b>
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<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Note: ATROPHY Testes	TGLs = 2-6	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy Marked
Note: ATROPHY	TGLs = 3-6		
Note: ADENOMA	TGLs = 4-6		

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<b>PRIMARY CAUSE OF DEATH</b>	-
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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

<b>ANIMAL ID:</b> 92	<b>TRT#:</b> 2 <b>DOSE:</b> 0.06% LM	<b>SEX:</b> Male <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 669 <b>HISTO:</b>
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mammary Gland	Parathyroid Gland	Preputial Gland	Skin
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Leukemia Mononuclear	Marked
Bone Marrow		Hyperplasia	Marked
Heart	Atrium	Thrombosis	
Note: THROMBUS TGLs = 4-2			
Kidney	Renal Tubule	Cyst	
		Leukemia Mononuclear	Marked
Note: CYST TGLs = 9-4		Nephropathy	Moderate
Liver		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	Marked
Note: FATTY CHANGE TGLs = 8-3			
Lung		Fungus	
	Alveolar Epith	Leukemia Mononuclear	Marked
[ Leukemia Mononuclear TGLS = 5-1.1 ]		Metaplasia	Moderate
[ Metaplasia TGLS = 6-1.1 ]			
Lymph Node	Mandibular	Leukemia Mononuclear	Marked
	Mediastinal	Leukemia Mononuclear	Marked
	Mesenteric	Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC TGLs = 11-8			
Note: LEUKEMIA MONUC TGLs = 3-2			
Nose		Inflammation	Chronic, Mild
		Metaplasia	Squamous, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 17:41:35  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 92	<b>TRT#:</b> 2 <b>DOSE:</b> 0.06% LM	<b>SEX:</b> Male <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 669 <b>HISTO:</b>
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<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Pancreas	Acinus	Atrophy	Focal, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 10-8		
Prostate		Leukemia Mononuclear	Marked
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Marked
Spleen		Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC	TGLs = 7-3		
Stomach	Forestomach	Hyperkeratosis	Moderate
Testes	Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 12		
Thymus		Leukemia Mononuclear	Marked

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<b>PRIMARY CAUSE OF DEATH</b>	-
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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 93

TRT#: 2

SEX: Male

DAY ON TEST: 687

DOSE: 0.06% LM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Intestine Large - Cecum  
Islets, Pancreatic  
Stomach - Glandular

Bone  
Intestine Small - Duodenum  
Nose  
Thymus

Brain  
Intestine Small - Ileum  
Parathyroid Gland  
Trachea

Esophagus  
Intestine Small - Jejunum  
Skin

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland  
Bone Marrow  
Epididymis  
Note: [ MESOTHELIO MAL ] TGLs = 3-6.1  
Heart

Medulla

Hyperplasia  
Hyperplasia  
Mesothelioma Malignant

Focal, Mild  
Mild

[ Cardiomyopathy TGLS = 2-2 ]

Atrium

Cardiomyopathy  
Inflammation

Moderate  
Chronic, Moderate

Intestine Large

Colon  
Rectum

Mesothelioma Benign  
Mesothelioma Benign

Kidney

Renal Tubule

Nephropathy  
Pigmentation

Minimal  
Moderate

Liver

Bile Duct

Angiectasis  
Hyperplasia

Minimal  
Mild

Note: ANGIECTASIS TGLs = 6-3

Lung

Peribronchial

Inflammation

Chronic, Mild

Lymph Node

Mesenteric  
Mandibular

Granuloma  
Infiltration Cellular

Mild  
Plasma Cell, Mild

Mesentery

Note: [ MESOTHELIO MAL ] TGLs = 4-6.1,5-6.1

Mesothelioma Malignant

Pancreas

Acinus

Atrophy

Focal, Moderate

Pituitary Gland

Pars Distalis

Adenoma

Note: ADENOMA TGLs = 7-8

Preputial Gland

Inflammation

Chronic, Minimal

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05035-03  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 17:41:35  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

<b>ANIMAL ID:</b> 93	<b>TRT#:</b> 2 <b>DOSE:</b> 0.06% LM	<b>SEX:</b> Male <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 687 <b>HISTO:</b>
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Prostate		Atrophy	Moderate
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Moderate
		Mesothelioma Malignant	
Spleen		Hematopoietic Cell Proliferation	Moderate
Stomach	Forestomach	Mesothelioma Malignant	
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
		Mesothelioma Malignant	
Note: ADENOMA	TGLs = 8		
Thyroid Gland	C Cell	Hyperplasia	Marked
Urinary Bladder		Mesothelioma Malignant	
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 94

TRT#: 2

SEX: Male

DAY ON TEST: 737

DOSE: 0.06% LM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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	Lung	Pancreas
Parathyroid Gland	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Trachea	Urinary Bladder	

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Mild
Harderian Gland		Pigmentation	Mild
Note: PIGMENT	TGLs = 1-13		
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Marked
Nose		Metaplasia	Squamous, Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
Preputial Gland		Inflammation	Chronic, Minimal
Prostate		Atrophy	Mild
Salivary Glands		Karyomegaly	Mild
Spleen		Hematopoietic Cell Proliferation	Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
Note: ADENOMA	TGLs = 4-6,3-6.1		
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 95

TRT#: 2

SEX: Male

DAY ON TEST: 506

DOSE: 0.06% LM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Nose	Parathyroid Gland	Preputial Gland
Prostate	Salivary Glands	Skin	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	

MISSING

Mammary Gland

OBSERVATIONS

Bone Marrow		Hyperplasia	Moderate
Epididymis		Mesothelioma Malignant	
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Mesentery		Mesothelioma Malignant	
Note: MESOTHELIO MAL	TGLs = 6-15		
Pancreas		Mesothelioma Malignant	
Note: MESOTHELIO MAL	TGLs = 10-9		
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
Seminal Vesicle		Mesothelioma Malignant	
Skeletal Muscle		Mesothelioma Malignant	
Note: MESOTHELIO MAL	TGLs = 4-13,5-14		
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL	TGLs = 8-3		
Stomach	Forestomach	Mesothelioma Malignant	
Testes	Bilateral, Interstit Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 95	<b>TRT#:</b> 2 <b>DOSE:</b> 0.06% LM	<b>SEX:</b> Male <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 506 <b>HISTO:</b>
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
	Seminif Tub	Atrophy Mesothelioma Malignant	Marked
Note: MESOTHELIO MAL TGLs = 3-6 Urinary Bladder		Mesothelioma Malignant	
<b>PRIMARY CAUSE OF DEATH</b>	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 96

TRT#: 2

SEX: Male

DAY ON TEST: 715

DOSE: 0.06% LM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

Bone  
Esophagus  
Intestine Small - Duodenum  
Mammary Gland  
Stomach - Forestomach

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Pancreas  
Stomach - Glandular

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Preputial Gland  
Trachea

MISSING

Thymus

OBSERVATIONS

Adrenal Gland  
Note: PHEOCHROM BGN TGLs = 5-8

Medulla

Pheochromocytoma Benign

Heart  
Kidney  
Note: NEPHROPATHY TGLs = 6-4,7-4

Cardiomyopathy  
Nephropathy

Moderate  
Marked

Liver  
Lung  
Lymph Node

Bile Duct  
Peribronchial  
Mesenteric  
Mandibular

Hyperplasia  
Inflammation  
Granuloma  
Infiltration Cellular

Mild  
Chronic, Mild  
Mild  
Plasma Cell, Marked

Nose  
Note: INFLAMMATION TGLs = 1-12

Fungus  
Inflammation

Acute, Marked

Parathyroid Gland  
Pituitary Gland  
Prostate  
Salivary Glands  
Seminal Vesicle  
Spleen

Pars Distalis

Hyperplasia  
Adenoma  
Inflammation  
Karyomegaly  
Atrophy  
Fibrosis  
Hematopoietic Cell Proliferation  
Pigmentation

Mild  
Acute, Mild  
Moderate  
Moderate  
Focal, Mild  
Mild  
Hemosiderin, Mild

Testes  
Bilateral, Interstit Cell

Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 96	<b>TRT#:</b> 2 <b>DOSE:</b> 0.06% LM	<b>SEX:</b> Male <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 715 <b>HISTO:</b>
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Note: ADENOMA Thyroid Gland	TGLs = 4-6 Seminif Tub C Cell	Atrophy Adenoma	Marked
<b>PRIMARY CAUSE OF DEATH</b>	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 97

TRT#: 2

SEX: Male

DAY ON TEST: 718

DOSE: 0.06% LM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Pancreas	Prostate	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Mild
	Medulla	Pheochromocytoma Benign	
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite Metazoan	Mild
	Cecum	Ulcer	Marked
Note: PARASITE META TGLs = 12-7			
Kidney	Renal Tubule	Hyperplasia	Mild
		Nephropathy	Marked
Note: NEPHROPATHY TGLs = 10-4			
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC TGLs = 9-3			
Lung		Leukemia Mononuclear	Moderate
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
	Mediastinal	Leukemia Mononuclear	Moderate
	Mesenteric	Leukemia Mononuclear	Moderate
[ Leukemia Mononuclear TGLS = 6-2 ]			
Mammary Gland		Abscess	Moderate
		Ectasia	Marked
Note: ECTASIA TGLs = 5-14			
Note: ABSCESS TGLs = 3-13			
Nose		Inflammation	Chronic, Mild
		Metaplasia	Squamous, Moderate

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 97

TRT#: 2

SEX: Male

DAY ON TEST: 718

DOSE: 0.06% LM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: INFLAMMATION	TGLs = 2-12			
Parathyroid Gland			Hyperplasia	Mild
Pituitary Gland		Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 11-8			
Preputial Gland			Carcinoma	
Note: CARCINOMA	TGLs = 4-10.1			
Salivary Glands			Karyomegaly	Mild
Seminal Vesicle			Atrophy	Marked
Spleen			Fibrosis	Focal, Mild
			Leukemia Mononuclear	Moderate
Note: [ FIBROSIS ]	TGLs = 8-3			
Testes		Interstit Cell	Adenoma	
		Seminif Tub	Atrophy	Marked
Note: ADENOMA	TGLs = 7-6			
PRIMARY CAUSE OF DEATH		-		

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 98

TRT#: 2

SEX: Male

DAY ON TEST: 738

DOSE: 0.06% LM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

MISSING

Prostate	Seminal Vesicle
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Blood		Leukemia Mononuclear	Moderate
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	Moderate
Lung	Peribronchial	Congestion	Mild
		Inflammation	Chronic, Mild
		Leukemia Mononuclear	Moderate
[ Inflammation TGLS = 4-1+2 ]			
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Mild
	Mesenteric	Leukemia Mononuclear	Moderate
Preputial Gland		Inflammation	Chronic, Mild
Salivary Glands		Karyomegaly	Mild
Spleen		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC TGLs = 3-3			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: ADENOMA TGLs = 1-6,2-6			
Thyroid Gland	C Cell	Carcinoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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**ANIMAL ID:** 98

**TRT#:** 2

**DOSE:** 0.06% LM

**SEX:** Male

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 738

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 99

TRT#: 2

SEX: Male

DAY ON TEST: 579

DOSE: 0.06% LM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland Note: PHEOCHROM BGN TGLs = 4-8	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Moderate
Liver		Fatty Change	Mild
		Granuloma	Mild
	Bile Duct	Hyperplasia	Minimal
Note: FATTY CHANGE TGLs = 3-3			
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Granuloma	Moderate
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
Nose		Inflammation	Chronic, Mild
		Metaplasia	Squamous, Mild
Pituitary Gland Note: ADENOMA TGLs = 5-8	Pars Distalis	Adenoma	
Prostate Note: INFLAMMATION TGLs = 2-6		Inflammation	Chronic, Mild
Spleen		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 100

TRT#: 2

SEX: Male

DAY ON TEST: 738

DOSE: 0.06% LM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Small - Ileum  
Pancreas  
Stomach - Glandular

Bone  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Prostate  
Thyroid Gland

Brain  
Intestine Large - Colon  
Islets, Pancreatic  
Skin  
Trachea

Epididymis  
Intestine Small - Duodenum  
Mammary Gland  
Stomach - Forestomach  
Urinary Bladder

MISSING

Thymus

INSUFFICIENT TISSUE

Parathyroid Gland

OBSERVATIONS

Adrenal Gland  
Note: PHEOCHROM BGN TGLs = 7-8

Bilateral, Medulla

Pheochromocytoma Benign

Blood

Leukemia Mononuclear

Moderate

Bone Marrow

Hyperplasia

Mild

Heart

Cardiomyopathy

Moderate

Intestine Large

Rectum

Parasite Metazoan

Mild

Kidney

Renal Tubule

Hyperplasia

Mild

Nephropathy

Moderate

Liver

Bile Duct

Hyperplasia

Mild

Leukemia Mononuclear

Moderate

[ Hyperplasia TGLS = 5-3 ]

Lung

Leukemia Mononuclear

Moderate

Lymph Node

Mandibular

Infiltration Cellular

Plasma Cell, Mild

Mesenteric

Leukemia Mononuclear

Moderate

Nose

Fungus

Inflammation

Acute, Mild

Pituitary Gland

Pars Distalis

Adenoma

Note: ADENOMA TGLs = 6-8

Preputial Gland

Abscess

Marked

Note: ABSCESS TGLs = 1-10.1

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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**ANIMAL ID:** 100

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 738

**DOSE:** 0.06% LM

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Salivary Glands

Karyomegaly

Mild

Seminal Vesicle

Atrophy

Moderate

Spleen

Leukemia Mononuclear

Moderate

[ Leukemia Mononuclear TGLS = 4-3 ]

Testes

Bilateral, Interstit Cell

Adenoma

Seminif Tub

Atrophy

Moderate

Note: ADENOMA TGLs = 2-6,3-6

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 101

TRT#: 2

SEX: Male

DAY ON TEST: 670

DOSE: 0.06% LM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Intestine Large - Cecum  
Islets, Pancreatic  
Stomach - Glandular  
Urinary Bladder

Bone  
Intestine Large - Rectum  
Nose  
Thymus

Brain  
Intestine Small - Duodenum  
Skin  
Thyroid Gland

Esophagus  
Intestine Small - Jejunum  
Stomach - Forestomach  
Trachea

MISSING

Parathyroid Gland

INSUFFICIENT TISSUE

Adrenal Gland - Medulla

OBSERVATIONS

Bone Marrow

Hyperplasia

Moderate

Myelofibrosis

Moderate

Epididymis

Mesothelioma Malignant

Heart

Leukemia Mononuclear

Moderate

Intestine Large

Colon

Parasite Metazoan

Mild

Intestine Small

Ileum

Leukemia Mononuclear

Moderate

Kidney

Nephropathy

Mild

Liver

Bile Duct

Hyperplasia

Marked

Leukemia Mononuclear

Moderate

[ Hyperplasia TGLS = 6-3 ]

Lung

Granuloma

Mild

Leukemia Mononuclear

Moderate

Lymph Node

Mesenteric

Granuloma

Moderate

Mandibular

Infiltration Cellular

Plasma Cell, Mild

Mandibular

Leukemia Mononuclear

Moderate

Mesenteric

Leukemia Mononuclear

Moderate

Mammary Gland

Fibroadenoma

Note: FIBROADENOMA TGLs = 1-13

Mesentery

Mesothelioma Malignant

Note: [ MESOTHELIO MAL ] TGLs = 4-14,3-15

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 17:41:35  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 101	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 670
	<b>DOSE:</b> 0.06% LM	<b>DISP:</b> Moribund	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Pancreas			Pigmentation	Hemosiderin, Focal, Moderate
Note: PIGMENT	TGLs = 7-9			
Pituitary Gland		Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 9-8			
Preputial Gland			Inflammation	Chronic, Mild
Prostate			Atrophy	Moderate
Salivary Glands			Karyomegaly	Mild
Seminal Vesicle			Atrophy	Marked
Spleen			Leukemia Mononuclear	Moderate
[ Leukemia Mononuclear TGLS = 5-3.1 ]				
Testes		Interstit Cell	Adenoma	
		Seminif Tub	Atrophy	Marked
			Mesothelioma Malignant	
Note: ADENOMA	TGLs = 2-6			

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 102

TRT#: 2

DOSE: 0.06% LM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Blood		Leukemia Mononuclear	Moderate
Bone Marrow		Hyperplasia	Mild
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	Moderate
Lung		Leukemia Mononuclear	Moderate
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
	Mesenteric	Leukemia Mononuclear	Moderate
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 1-13		
Nose		Metaplasia	Squamous, Mild
Pancreas	Acinus	Atrophy	Focal, Mild
Preputial Gland		Adenoma	
Salivary Glands		Karyomegaly	Moderate
Seminal Vesicle		Atrophy	Moderate
Spleen		Fibrosis	Focal, Minimal
		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC	TGLs = 3-3.1		
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: ADENOMA	TGLs = 2-6		

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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**ANIMAL ID:** 102

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 735

**DOSE:** 0.06% LM

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 103

TRT#: 2

SEX: Male

DAY ON TEST: 735

DOSE: 0.06% LM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Nose  
Spleen  
Trachea

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Rectum  
Lymph Node - Mandibular  
Parathyroid Gland  
Stomach - Forestomach  
Urinary Bladder

Bone  
Esophagus  
Intestine Small - Duodenum  
Lymph Node - Mesenteric  
Prostate  
Stomach - Glandular

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

MISSING

Islets, Pancreatic

Pancreas

OBSERVATIONS

Heart  
Kidney  
Liver  
  
Lung  
Pituitary Gland  
Preputial Gland  
Salivary Glands  
Seminal Vesicle  
Testes

Bile Duct

Peribronchial  
Pars Distalis

Bilateral, Interstit Cell  
Seminif Tub

Cardiomyopathy  
Nephropathy  
Hyperplasia  
Hyperplasia  
Inflammation  
Adenoma  
Inflammation  
Karyomegaly  
Atrophy  
Adenoma  
Atrophy  
Cyst

Moderate  
Mild  
Mild  
Focal, Mild  
Chronic, Mild  
  
Chronic, Minimal  
Moderate  
Marked  
  
Marked

Note: CYST TGLs = 1-6  
Note: ADENOMA TGLs = 2-6

Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 106

TRT#: 2

SEX: Male

DAY ON TEST: 732

DOSE: 0.06% LM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Pancreas	Parathyroid Gland	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Moderate
	Medulla	Pheochromocytoma Benign	
Bone Marrow		Hyperplasia	Moderate
Heart		Schwannoma Malignant	
Note: [ SCHWANNOMA MAL ] TGLs = 8-2.1			
Kidney		Nephropathy	Moderate
Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	Moderate
Note: ANOM HEPAT LOB TGLs = 15-3,18			
[ Hyperplasia TGLS = 14-3 ]			
Lung		Alveolar/Bronchiolar Adenoma	
		Leukemia Mononuclear	Moderate
[ Alveolar/Bronchiolar Adenoma TGLS = 17-2.2 ]			
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
	Mesenteric	Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC TGLs = 9-2			
Mammary Gland		Ectasia	Marked
		Fibroadenoma	
Note: ECTASIA TGLs = 7-10			
Note: FIBROADENOMA TGLs = 5-15			

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 106

TRT#: 2

SEX: Male

DAY ON TEST: 732

DOSE: 0.06% LM

DISP: Terminal Sacrifice

HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

Nose		Inflammation	Chronic, Mild
		Metaplasia	Squamous, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 16-8		
Preputial Gland		Adenoma	
Note: ADENOMA	TGLs = 4-10		
Prostate		Inflammation	Acute, Marked
Note: INFLAMMATION	TGLs = 11-6		
Salivary Glands		Karyomegaly	Moderate
Seminal Vesicle		Atrophy	Marked
		Inflammation	Acute, Marked
Note: INFLAMMATION	TGLs = 12-6.1		
Skin	Subcut Tiss	Fibroma	
	Dermis	Fibrosis	Marked
		Keratoacanthoma	
Note: FIBROSIS	TGLs = 2-13		
Note: FIBROMA	TGLs = 6-16		
Note: KERATOACANTHMA	TGLs = 3-14		
Spleen		Leukemia Mononuclear	Moderate
[ Leukemia Mononuclear TGLS = 13-3.1 ]			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
Note: ADENOMA	TGLs = 10-6		
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 107

TRT#: 2

SEX: Male

DAY ON TEST: 600

DOSE: 0.06% LM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Mild
	Medulla	Hyperplasia	Focal, Minimal
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Moderate
Intestine Large	Rectum	Parasite Metazoan	Marked
Kidney	Renal Tubule	Hyperplasia	Mild
		Nephropathy	Mild
Note: NEPHROPATHY TGLs = 4-4			
Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC TGLs = 3-3			
Lung		Leukemia Mononuclear	Moderate
	Alveolar Epith	Metaplasia	Mild
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Leukemia Mononuclear	Moderate
	Mesenteric	Leukemia Mononuclear	Moderate
Nose		Inflammation	Chronic, Minimal
		Metaplasia	Squamous, Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Preputial Gland		Adenoma	
Prostate		Inflammation	Chronic, Mild
Salivary Glands		Karyomegaly	Mild
Spleen		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC TGLs = 2-3			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 107	<b>TRT#:</b> 2 <b>DOSE:</b> 0.06% LM	<b>SEX:</b> Male <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 600 <b>HISTO:</b>
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Moderate
Note: ADENOMA      TGLs = 1-6			
Thymus		Leukemia Mononuclear	Moderate
<b>PRIMARY CAUSE OF DEATH</b>	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 108

TRT#: 2

SEX: Male

DAY ON TEST: 732

DOSE: 0.06% LM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Preputial Gland	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

MISSING

Lymph Node - Mandibular	Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Intestine Large	Colon	Parasite Metazoan	Marked
Kidney		Nephropathy	Marked
Note: NEPHROPATHY TGLs = 4-4+4.1			
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	Mild
[ Hyperplasia TGLS = 5-3 ]			
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Granuloma	Mild
Nose		Inflammation	Chronic, Moderate
		Metaplasia	Squamous, Moderate
Pancreas	Acinus	Atrophy	Focal, Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Prostate		Atrophy	Moderate
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Marked
Spleen		Leukemia Mononuclear	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
	Artery	Inflammation	Marked
Note: ATROPHY TGLs = 3-6			
Note: ADENOMA TGLs = 2-6			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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**ANIMAL ID:** 108

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0.06% LM

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Thyroid Gland

C Cell

Carcinoma

Note: CARCINOMA

TGLs = 1-8.1

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 109

TRT#: 2

SEX: Male

DAY ON TEST: 549

DOSE: 0.06% LM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
	Medulla	Pheochromocytoma Benign	
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Mild
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC TGLs = 6-3			
Lung		Leukemia Mononuclear	Moderate
Lymph Node	Renal	Congestion	Moderate
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
	Mandibular	Leukemia Mononuclear	Moderate
	Mediastinal	Leukemia Mononuclear	Moderate
	Mesenteric	Leukemia Mononuclear	Moderate
	Renal	Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC TGLs = 3-9			
Note: LEUKEMIA MONUC TGLs = 4-2			
Note: CONGESTION TGLs = 8-9,7-10			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Focal, Mild
Note: ADENOMA TGLs = 9-8			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 17:41:35  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 109

**TRT#:** 2  
**DOSE:** 0.06% LM

**SEX:** Male  
**DISP:** Moribund

**DAY ON TEST:** 549  
**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Preputial Gland Note: CARCINOMA TGLs = 2-10		Carcinoma	
Prostate		Inflammation	Chronic, Mild
Salivary Glands		Karyomegaly	Moderate
Spleen Note: LEUKEMIA MONUC TGLs = 5-3		Leukemia Mononuclear	Moderate
Testes Note: ADENOMA TGLs = 10	Interstit Cell Interstit Cell	Adenoma Hyperplasia	Moderate
Thymus		Leukemia Mononuclear	Moderate
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 110

TRT#: 2

SEX: Male

DAY ON TEST: 732

DOSE: 0.06% LM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Epididymis  
Intestine Large - Colon  
Intestine Small - Jejunum  
Prostate  
Stomach - Glandular  
Urinary Bladder

Bone  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Skin  
Thymus

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Mammary Gland  
Spleen  
Thyroid Gland

Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Parathyroid Gland  
Stomach - Forestomach  
Trachea

OBSERVATIONS

Adrenal Gland  
Kidney  
Liver

Medulla

Pheochromocytoma Benign  
Nephropathy  
Basophilic Focus  
Hepatocellular Adenoma

Minimal

Bile Duct

Hyperplasia

Mild

[ Hyperplasia TGLS = 4-3 ]

Lung  
Lymph Node

Peribronchial  
Mesenteric  
Mandibular

Inflammation  
Granuloma  
Infiltration Cellular  
Necrosis

Chronic, Mild  
Mild  
Plasma Cell, Mild  
Marked

Mesentery  
Note: NECROSIS TGLs = 1-13  
Nose

Fat

Inflammation  
Metaplasia  
Atrophy

Chronic, Moderate  
Squamous, Moderate  
Focal, Marked

Pancreas  
Note: ATROPHY TGLs = 3-9

Acinus

Cyst  
Inflammation  
Karyomegaly  
Atrophy

Chronic, Mild  
Mild  
Marked

Pituitary Gland  
Preputial Gland  
Salivary Glands  
Seminal Vesicle  
Testes

Pars Distalis

Bilateral, Interstit Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 111

TRT#: 2

SEX: Male

DAY ON TEST: 723

DOSE: 0.06% LM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Eye	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mesenteric	Pancreas	Parathyroid Gland
Preputial Gland	Skin	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Intestine Large - Rectum	Thymus
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Minimal
Harderian Gland		Pigmentation	Moderate
Note: PIGMENT TGLs = 1-13			
Intestine Small	Duodenum, Muscularis	Hypertrophy	Mild
Note: HYPERTROPHY TGLs = 8-7			
Kidney	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Marked
Liver		Fatty Change	Moderate
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 4-14			
Nose		Inflammation	Chronic, Moderate
		Metaplasia	Squamous, Moderate
Note: INFLAMMATION TGLs = 2-12			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 6-8			
Prostate		Inflammation	Acute, Mild
Salivary Glands		Karyomegaly	Minimal
Seminal Vesicle		Atrophy	Marked
Spleen		Hematopoietic Cell Proliferation	Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 111

TRT#: 2

SEX: Male

DAY ON TEST: 723

DOSE: 0.06% LM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Stomach

Forestomach

Pigmentation

Hemosiderin, Mild

Perforation

Forestomach

Ulcer

Marked

Note: PERFORATION TGLs = 7-7

Testes

Bilateral, Interstit Cell

Adenoma

Seminif Tub

Atrophy

Marked

Note: ADENOMA TGLs = 5-6

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 113

TRT#: 2

SEX: Male

DAY ON TEST: 624

DOSE: 0.06% LM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Epididymis
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mammary Gland	Pancreas	Parathyroid Gland	Preputial Gland
Prostate	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	

MISSING

Intestine Large - Rectum

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Bone Marrow		Hyperplasia	Moderate
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC	TGLs = 10-3		
Lung		Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC	TGLs = 5-1+2		
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Mild
	Pancreatic	Infiltration Cellular	Plasma Cell, Moderate
	Mandibular	Leukemia Mononuclear	Marked
	Mediastinal	Leukemia Mononuclear	Marked
	Mesenteric	Leukemia Mononuclear	Marked
	Pancreatic	Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC	TGLs = 8-9,11-9		
Note: LEUKEMIA MONUC	TGLs = 4-9		
Note: LEUKEMIA MONUC	TGLs = 9-2		
Nose		Inflammation	Chronic, Mild
		Metaplasia	Squamous, Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Salivary Glands		Karyomegaly	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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**ANIMAL ID:** 113

**TRT#:** 2

**DOSE:** 0.06% LM

**SEX:** Male

**DISP:** Moribund

**DAY ON TEST:** 624

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Spleen Note: LEUKEMIA MONUC TGLs = 7-3.1		Leukemia Mononuclear	Marked
Testes Note: ADENOMA TGLs = 6-6	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Moderate
Thyroid Gland	C Cell	Hyperplasia	Minimal
Urinary Bladder		Concretion	Marked

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 114

TRT#: 2

SEX: Male

DAY ON TEST: 738

DOSE: 0.06% LM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Parathyroid Gland	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Intestine Large	Cecum	Parasite Metazoan	Mild
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Moderate
[ Hyperplasia TGLS = 4-3 ]			
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Lymphatic, Mandibular	Angiectasis	Moderate
	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-13			
Nose		Metaplasia	Squamous, Mild
Pancreas	Acinus	Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Chronic, Mild
Prostate		Inflammation	Chronic, Mild
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Marked
Skin		Hyperplasia	Basal Cell, Mild
Spleen		Hematopoietic Cell Proliferation	Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Hypospermia	
Note: ADENOMA TGLs = 2-6			

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 114	<b>TRT#:</b> 2 <b>DOSE:</b> 0.06% LM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 738 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: HYOSPERMIA	TGLs = 3-6		
Thyroid Gland	C Cell	Hyperplasia	Marked
<b>PRIMARY CAUSE OF DEATH</b>	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 115

TRT#: 2

SEX: Male

DAY ON TEST: 738

DOSE: 0.06% LM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Ear	Epididymis
Esophagus	Eye	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Pancreas
Parathyroid Gland	Preputial Gland	Prostate	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Moderate
	Medulla	Pheochromocytoma Benign	
Brain		Hydrocephalus	Mild
Harderian Gland		Pigmentation	Moderate
Note: PIGMENT	TGLs = 2-14		
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Mild
Lymph Node	Lymphatic, Mandibular	Angiectasis	Marked
	Mesenteric	Granuloma	Moderate
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
Nose		Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 6-8		
Salivary Glands		Karyomegaly	Mild
Spleen		Leukemia Mononuclear	Mild
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 116

TRT#: 2

SEX: Male

DAY ON TEST: 732

DOSE: 0.06% LM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Pancreas	Parathyroid Gland
Preputial Gland	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

MISSING

Lymph Node - Mandibular	Mammary Gland
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OBSERVATIONS

Adrenal Gland Note: PHEOCHROM MAL TGLs = 6-8	Medulla	Pheochromocytoma Malignant	
Blood		Leukemia Mononuclear	Moderate
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Moderate
Intestine Large	Rectum	Parasite Metazoan	Marked
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	Moderate
Lung		Leukemia Mononuclear	Moderate
Lymph Node	Mesenteric	Granuloma	Mild
	Mediastinal	Infiltration Cellular	Plasma Cell, Moderate
	Mediastinal	Leukemia Mononuclear	Moderate
	Mesenteric	Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC TGLs = 1-2			
Nose		Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
Prostate		Atrophy	Moderate
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Marked
Note: ATROPHY TGLs = 2-6			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

---

**ANIMAL ID:** 116

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0.06% LM

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Spleen Note: LEUKEMIA MONUC TGLs = 5-3.1		Leukemia Mononuclear	Moderate
Testes Note: ATROPHY TGLs = 4-6 Note: ADENOMA TGLs = 3-6	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Marked
Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 117

TRT#: 2

DOSE: 0.06% LM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Mammary Gland	Pancreas	Parathyroid Gland	Prostate
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Epididymis		Mesothelioma Malignant	
Heart		Cardiomyopathy	Moderate
Intestine Large	Rectum	Parasite Metazoan	Moderate
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Necrosis	Focal, Minimal
Lymph Node	Mesenteric	Granuloma	Moderate
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
Mesentery		Mesothelioma Malignant	
Note: [ MESOTHELIO MAL ]			
TGLs = 3-13			
Nose		Inflammation	Chronic, Mild
		Metaplasia	Squamous, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA			
TGLs = 5-8			
Preputial Gland		Inflammation	Chronic, Minimal
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Marked
Note: ATROPHY			
TGLs = 4-6			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: ADENOMA			
TGLs = 2-6			
Thyroid Gland	C Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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**ANIMAL ID:** 117

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0.06% LM

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 118

TRT#: 2

SEX: Male

DAY ON TEST: 732

DOSE: 0.06% LM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Pancreas
Parathyroid Gland	Prostate	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Malignant	
Heart		Cardiomyopathy	Moderate
Intestine Large	Colon	Parasite Metazoan	Mild
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Marked
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	Moderate
Lung		Leukemia Mononuclear	Moderate
		Pheochromocytoma Malignant	Metastatic (Uncertain Primary Site)
Lymph Node	Mesenteric	Granuloma	Moderate
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
	Mesenteric	Leukemia Mononuclear	Moderate
Nose		Inflammation	Chronic, Mild
		Metaplasia	Squamous, Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
Preputial Gland		Inflammation	Chronic, Minimal
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Marked
Note: ATROPHY TGLs = 2-6			
Skin	Subcut Tiss	Hemangiosarcoma	
Note: HEMANGIOSARC TGLs = 1-13			
Spleen		Leukemia Mononuclear	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 118	<b>TRT#:</b> 2 <b>DOSE:</b> 0.06% LM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 732 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Leukemia Mononuclear TGLS = 5-3 ]			
Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Marked
Note: ATROPHY      TGLs = 4-6 Note: ADENOMA      TGLs = 3-6			
Thyroid Gland	C Cell	Hyperplasia	Marked
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 119

TRT#: 2

SEX: Male

DAY ON TEST: 732

DOSE: 0.06% LM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Brain		Hydrocephalus	Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Mild
Lung		Carcinoma	Metastatic (Thyroid Gland)
Lymph Node		Carcinoma	Metastatic (Thyroid Gland)
	Mesenteric	Granuloma	Moderate
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS	TGLs = 3-13		
Nose		Inflammation	Chronic, Moderate
		Metaplasia	Squamous, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 4-8		
Preputial Gland		Adenoma	
Note: ADENOMA	TGLs = 1-10		
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Marked
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Testes	Bilateral, Interstit Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 119	<b>TRT#:</b> 2 <b>DOSE:</b> 0.06% LM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 732 <b>HISTO:</b>
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Note: ADENOMA Thyroid Gland Note: CARCINOMA	TGLs = 2-6 TGLs = 5-8	Seminif Tub C Cell	Hypospermia Carcinoma
<b>PRIMARY CAUSE OF DEATH</b>	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 120

TRT#: 2

SEX: Male

DAY ON TEST: 732

DOSE: 0.06% LM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Parathyroid Gland
Pituitary Gland	Prostate	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

MISSING

Mammary Gland

INSUFFICIENT TISSUE

Lymph Node - Mandibular

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
	Medulla	Necrosis	Focal, Mild
Note: ADENOMA	TGLs = 7-8		
Blood		Leukemia Mononuclear	Moderate
Bone Marrow		Myelofibrosis	Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	Moderate
Lung		Granuloma	Mild
		Leukemia Mononuclear	Moderate
Lymph Node	Mesenteric	Leukemia Mononuclear	Moderate
Mesentery	Fat	Necrosis	Marked
Note: NECROSIS	TGLs = 6-14		
Nose		Inflammation	Chronic, Mild
		Metaplasia	Squamous, Mild
Pancreas	Acinus	Atrophy	Focal, Mild
Preputial Gland		Adenoma	
Note: ADENOMA	TGLs = 2-10		
Salivary Glands		Karyomegaly	Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 120

TRT#: 2

SEX: Male

DAY ON TEST: 732

DOSE: 0.06% LM

DISP: Terminal Sacrifice

HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

Seminal Vesicle		Atrophy	Marked
Note: ATROPHY	TGLs = 5-6		
Skin	Subcut Tiss	Sarcoma	
Note: [ SARCOMA ]	TGLs = 1-13		
Spleen		Leukemia Mononuclear	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: ADENOMA	TGLs = 3-6,4-6		
Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 122

TRT#: 3

SEX: Male

DAY ON TEST: 715

DOSE: 0.3% MM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mesenteric	Pancreas	Pituitary Gland
Preputial Gland	Skin	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Mild
	Medulla	Pheochromocytoma Benign	
Note: PHEOCHROM BGN TGLs = 6-8			
Bone Marrow		Myelofibrosis	Minimal
Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite Metazoan	Mild
Intestine Small	Duodenum, Muscularis	Hypertrophy	Moderate
Note: HYPERTROPHY TGLs = 11-7			
Kidney		Fibrosis	Focal, Mild
	Pelvis, Transit Epithe	Hyperplasia	Mild
		Nephropathy	Marked
Note: [ FIBROSIS ] TGLs = 9-4			
Note: NEPHROPATHY TGLs = 7-4,8-4			
Note: HYPERPLASIA TGLs = 10-4			
Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
[ Hepatodiaphragmatic Nodule TGLS = 5-3 ]			
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Mammary Gland		Fibroadenoma	
Note: [ FIBROADENOMA ] TGLs = 3-13			
Nose		Inflammation	Chronic, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 17:41:35  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 122

**TRT#:** 3  
**DOSE:** 0.3% MM

**SEX:** Male  
**DISP:** Moribund

**DAY ON TEST:** 715  
**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: INFLAMMATION TGLs = 2-12  
Parathyroid Gland  
Pharynx  
Prostate  
Salivary Glands  
Seminal Vesicle  
Spleen  
Stomach  
Testes

Palate  
  
  
  
  
Forestomach  
Interstit Cell  
Seminif Tub

Metaplasia  
  
Hyperplasia  
Squamous Cell Papilloma  
Atrophy  
Karyomegaly  
Atrophy  
Pigmentation  
Ulcer  
Adenoma  
Atrophy

Squamous, Mild  
  
Mild  
  
Marked  
Moderate  
Marked  
Hemosiderin, Mild  
Marked  
  
Marked

Note: ADENOMA TGLs = 4-6

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 123

TRT#: 3

SEX: Male

DAY ON TEST: 710

DOSE: 0.3% MM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Eye	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland
Pancreas	Parathyroid Gland	Skin	Stomach - Glandular
Trachea	Urinary Bladder		

MISSING

Intestine Large - Rectum

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
	Cortex	Vacuolization Cytoplasmic	Moderate
Note: PHEOCHROM BGN TGLs = 10-8			
Bone Marrow		Hyperplasia	Marked
Harderian Gland		Inflammation	Chronic, Mild
		Pigmentation	Marked
Note: PIGMENT TGLs = 2-13			
Heart		Leukemia Mononuclear	Marked
Kidney		Nephropathy	Moderate
Liver		Angiectasis	Marked
		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	Marked
Note: FATTY CHANGE TGLs = 8-3 [ Fatty Change TGLS = 9-3 ]			
Lung		Leukemia Mononuclear	Marked
Lymph Node	Mandibular	Leukemia Mononuclear	Marked
	Mediastinal	Leukemia Mononuclear	Marked
	Mesenteric	Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC TGLs = 7-2			
Mesentery		Leukemia Mononuclear	Marked
	Fat	Necrosis	Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 123

TRT#: 3

SEX: Male

DAY ON TEST: 710

DOSE: 0.3% MM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: NECROSIS	TGLs = 5-13			
Nose			Fungus	
			Inflammation	Acute, Moderate
Pituitary Gland		Pars Distalis	Hyperplasia	Focal, Mild
Preputial Gland			Inflammation	Chronic, Mild
Prostate			Atrophy	Moderate
Salivary Glands			Karyomegaly	Mild
Seminal Vesicle			Atrophy	Marked
Spleen			Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC	TGLs = 4-3.1			
Stomach		Forestomach	Hyperkeratosis	Moderate
		Forestomach	Hyperplasia	Basal Cell, Moderate
		Forestomach	Inflammation	Acute, Moderate
Testes		Bilateral, Interstit Cell	Adenoma	
		Seminif Tub	Atrophy	Marked
Note: ADENOMA	TGLs = 3-6			
Thymus			Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC	TGLs = 6-2			
Thyroid Gland		C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH		-		

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 124

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.3% MM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Pancreas  
Stomach - Forestomach  
Trachea

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

Bone  
Esophagus  
Intestine Small - Duodenum  
Mammary Gland  
Skin  
Thymus

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Nose  
Spleen  
Thyroid Gland

OBSERVATIONS

Heart  
Kidney  
Liver  
  
Lung  
Lymph Node  
  
Note: GRANULOMA TGLs = 2-8  
Pituitary Gland  
  
Preputial Gland  
Prostate  
Salivary Glands  
Seminal Vesicle  
Testes

Bile Duct  
  
Peribronchial  
Mesenteric  
Mandibular  
  
Pars Distalis  
Pars Distalis  
  
  
  
Bilateral, Interstit Cell  
Seminif Tub

Cardiomyopathy  
Nephropathy  
Hyperplasia  
Necrosis  
Inflammation  
Granuloma  
Infiltration Cellular  
  
Hyperplasia  
Pigmentation  
Inflammation  
Atrophy  
Karyomegaly  
Atrophy  
Adenoma  
Atrophy

Moderate  
Mild  
Minimal  
Focal, Minimal  
Chronic, Mild  
Mild  
Plasma Cell, Mild  
  
Focal, Marked  
Hemosiderin, Moderate  
Subacute, Mild  
Marked  
Mild  
Marked  
Marked

Note: ADENOMA TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 125

TRT#: 3

SEX: Male

DAY ON TEST: 521

DOSE: 0.3% MM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Moderate
Intestine Large	Cecum	Parasite Metazoan	Moderate
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC TGLs = 3-3			
Lung		Leukemia Mononuclear	Moderate
Lymph Node	Mandibular	Leukemia Mononuclear	Moderate
	Mesenteric	Leukemia Mononuclear	Moderate
Nose		Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Marked
Preputial Gland		Adenoma	
Note: ADENOMA TGLs = 1-10.1			
Spleen		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC TGLs = 2-3			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 5			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 126

TRT#: 3

SEX: Male

DAY ON TEST: 661

DOSE: 0.3% MM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Epididymis
Esophagus	Eye	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Parathyroid Gland	Prostate
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Brain		Astrocytoma Malignant	
Harderian Gland		Inflammation	Chronic, Minimal
		Pigmentation	Mild
Note: PIGMENT	TGLs = 2-13,3-13		
Heart		Cardiomyopathy	Mild
Intestine Large	Cecum	Parasite Metazoan	Marked
	Colon	Parasite Metazoan	Marked
Islets, Pancreatic		Adenoma	
Note: ADENOMA	TGLs = 6-9		
Kidney		Nephropathy	Moderate
Note: NEPHROPATHY	TGLs = 7-4,8-4		
Liver		Fatty Change	Minimal
Lung	Peribronchial	Inflammation	Chronic, Moderate
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Marked
Note: INFILTRAT CELL	TGLs = 4-9		
Mammary Gland		Ectasia	Marked
Note: ECTASIA	TGLs = 5-10		
Nose		Metaplasia	Squamous, Mild
Pancreas	Acinus	Atrophy	Focal, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 9-8		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 126	<b>TRT#:</b> 3 <b>DOSE:</b> 0.3% MM	<b>SEX:</b> Male <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 661 <b>HISTO:</b>
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Preputial Gland		Abscess	Moderate
Salivary Glands		Karyomegaly	Moderate
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
<b>PRIMARY CAUSE OF DEATH</b>	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 127

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.3% MM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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 - Mandibular	Mammary Gland
Pancreas	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland Note: PHEOCHROM BGN TGLs = 6-8	Bilateral, Medulla	Pheochromocytoma Benign	
Harderian Gland Note: PIGMENT TGLs = 1-13		Pigmentation	Moderate
Heart [ Thrombosis TGLS = 4-2 ]	Atrium	Thrombosis	
Kidney Note: NEPHROPATHY TGLs = 8-4,9-4	Renal Tubule	Adenoma Nephropathy	Marked
Liver	Bile Duct	Hyperplasia	Mild
Lung [ Hemorrhage TGLS = 11-1 ]		Hemorrhage	Focal, Marked
Lymph Node	Mesenteric	Granuloma	Moderate
Nose		Fibrosis	Mild
Parathyroid Gland		Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Abscess	Mild
Prostate		Atrophy	Moderate
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Moderate
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 127	<b>TRT#:</b> 3 <b>DOSE:</b> 0.3% MM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 731 <b>HISTO:</b>
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Note: ADENOMA Thyroid Gland	TGLs = 5-6 C Cell	Hyperplasia	Moderate
<b>PRIMARY CAUSE OF DEATH</b>	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 128

TRT#: 3

DOSE: 0.3% MM

SEX: Male

DISP: Moribund

DAY ON TEST: 703

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland	Pancreas
Parathyroid Gland	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

MISSING

Intestine Small - Ileum

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite Metazoan	Moderate
Kidney		Nephropathy	Mild
Liver		Leukemia Mononuclear	Moderate
Lung		Alveolar/Bronchiolar Adenoma	
		Leukemia Mononuclear	Moderate
Lymph Node	Lymphatic, Mesenteric	Angiectasis	Moderate
	Mandibular	Infiltration Cellular	Plasma Cell, Marked
	Mesenteric	Leukemia Mononuclear	Moderate
Note: ANGIECTASIS	TGLs = 5-8		
Nose		Inflammation	Chronic, Mild
		Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
Preputial Gland		Carcinoma	
Note: CARCINOMA	TGLs = 3-10.1		
Prostate		Atrophy	Mild
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Dilatation	Mild
Note: DILATATION	TGLs = 6-6		
Spleen		Leukemia Mononuclear	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 128	<b>TRT#:</b> 3 <b>DOSE:</b> 0.3% MM	<b>SEX:</b> Male <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 703 <b>HISTO:</b>
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Marked
Note: ADENOMA      TGLs = 4-6			
Thyroid Gland	C Cell	Hyperplasia	Marked
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 129

TRT#: 3

SEX: Male

DAY ON TEST: 725

DOSE: 0.3% MM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Nose	Pancreas	Parathyroid Gland
Skin	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Marked
Note: NEPHROPATHY TGLs = 6-4			
Liver	Bile Duct	Hyperplasia	Mild
		Necrosis	Focal, Minimal
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Congestion	Moderate
	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Marked
Note: CONGESTION TGLs = 8-8			
Mammary Gland		Ectasia	Marked
Note: ECTASIA TGLs = 3-10			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 7-8			
Preputial Gland		Inflammation	Chronic, Minimal
Prostate		Inflammation	Acute, Marked
Note: INFLAMMATION TGLs = 5-6			
Salivary Glands		Karyomegaly	Moderate
Seminal Vesicle		Atrophy	Marked
Spleen		Pigmentation	Hemosiderin, Moderate
Stomach	Forestomach	Acanthosis	Moderate
	Forestomach	Ulcer	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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**ANIMAL ID:** 129

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 0.3% MM

**DISP:** Moribund

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Testes

Bilateral, Interstit Cell

Adenoma

Seminif Tub

Atrophy

Marked

Note: ADENOMA TGLs = 4-6

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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**ANIMAL ID:** 130

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 0.3% MM

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 131

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.3% MM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Epididymis
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland	Parathyroid Gland
Pituitary Gland	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Esophagus

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Mild
Blood		Leukemia Mononuclear	Moderate
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Moderate
Intestine Large	Cecum	Parasite Metazoan	Mild
Kidney		Nephropathy	Moderate
Note: NEPHROPATHY	TGLs = 5-4,6-4		
Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	Moderate
	[ Hyperplasia TGLS = 7-3 ]		
Lung		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC	TGLs = 2-1+2		
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Marked
	Mandibular	Leukemia Mononuclear	Moderate
	Mesenteric	Leukemia Mononuclear	Moderate
Nose		Inflammation	Chronic, Moderate
		Metaplasia	Squamous, Mild
Pancreas	Acinus	Atrophy	Focal, Moderate
Preputial Gland		Adenoma	
		Inflammation	Chronic, Mild
Note: [ ADENOMA ]	TGLs = 1-10		
Prostate		Atrophy	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 131	<b>TRT#:</b> 3 <b>DOSE:</b> 0.3% MM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 731 <b>HISTO:</b>
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<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Marked
Spleen		Leukemia Mononuclear	Moderate
Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Marked

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Note: ADENOMA      TGLs = 3-6,4-6

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<b>PRIMARY CAUSE OF DEATH</b>	-
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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 132

TRT#: 3

SEX: Male

DAY ON TEST: 692

DOSE: 0.3% MM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Intestine Large - Cecum  
Intestine Small - Ileum  
Parathyroid Gland  
Stomach - Glandular

Bone  
Intestine Large - Colon  
Intestine Small - Jejunum  
Prostate  
Trachea

Epididymis  
Intestine Large - Rectum  
Mammary Gland  
Skin

Esophagus  
Intestine Small - Duodenum  
Nose  
Stomach - Forestomach

MISSING

Islets, Pancreatic

OBSERVATIONS

Adrenal Gland

Medulla  
Medulla

Hyperplasia  
Pheochromocytoma Benign

Focal, Mild

Bone Marrow

Leukemia Mononuclear  
Myelofibrosis

Moderate

Brain

Heart

Kidney

Leukemia Mononuclear  
Leukemia Mononuclear  
Leukemia Mononuclear

Nephropathy

Mild

Liver

Bile Duct

Hyperplasia  
Leukemia Mononuclear

Moderate

Note: [ LEUKEMIA MONUC ] TGLs = 6-3

Lung

Note: [ LEUKEMIA MONUC ] TGLs = 4-1+2

Leukemia Mononuclear

Lymph Node

Mandibular  
Mesenteric

Leukemia Mononuclear  
Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 5-8

Pancreas

Pituitary Gland

Preputial Gland

Leukemia Mononuclear  
Leukemia Mononuclear  
Abscess

Minimal

Salivary Glands

Leukemia Mononuclear  
Karyomegaly  
Leukemia Mononuclear

Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 132

TRT#: 3

SEX: Male

DAY ON TEST: 692

DOSE: 0.3% MM

DISP: Moribund

HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

Seminal Vesicle		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 2-3.1			
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: ADENOMA TGLs = 7			
Thymus		Leukemia Mononuclear	
Thyroid Gland	C Cell	Hyperplasia	Minimal
Urinary Bladder		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 133

TRT#: 3

DOSE: 0.3% MM

SEX: Male

DISP: Moribund

DAY ON TEST: 484

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Bone Marrow		Hyperplasia	Moderate
Kidney	Cortex	Necrosis	Focal, Mild
		Nephropathy	Minimal
Note: NECROSIS TGLs = 9-4			
Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC TGLs = 10-3			
Lung		Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC TGLs = 4-1			
Lymph Node	Pancreatic	Congestion	Moderate
	Mandibular	Leukemia Mononuclear	Marked
	Mesenteric	Leukemia Mononuclear	Marked
	Pancreatic	Leukemia Mononuclear	Marked
	Renal	Leukemia Mononuclear	Marked
Note: CONGESTION TGLs = 11-9			
Note: LEUKEMIA MONUC TGLs = 8-4			
Note: LEUKEMIA MONUC TGLs = 12-9			
Nose		Inflammation	Chronic, Moderate
		Metaplasia	Squamous, Moderate
Pancreas	Acinus	Atrophy	Focal, Mild
Penis		Concretion	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 133	<b>TRT#:</b> 3 <b>DOSE:</b> 0.3% MM	<b>SEX:</b> Male <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 484 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: CONCRETION	TGLs = 3-13			
Pituitary Gland		Pars Distalis	Hyperplasia	Focal, Mild
Spleen			Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC	TGLs = 7-3			
Testes		Interstit Cell	Adenoma	
Thyroid Gland		C Cell	Hyperplasia	Mild

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<b>PRIMARY CAUSE OF DEATH</b>	-
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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 134

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.3% MM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Pancreas	Parathyroid Gland	Prostate	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
	Medulla	Pheochromocytoma Benign	
Blood		Leukemia Mononuclear	Moderate
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Carcinoma	
Note: CARCINOMA	TGLs = 3-9		
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	Moderate
Lung		Leukemia Mononuclear	Moderate
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
	Mesenteric	Leukemia Mononuclear	Moderate
Nose		Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Chronic, Mild
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Moderate
Spleen		Leukemia Mononuclear	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 134	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> 0.3% MM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: ADENOMA	TGLs = 1-6		
Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 136

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.3% MM

DISP: Terminal Sacrifice

HISTO:

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	Parathyroid Gland
Pituitary Gland	Prostate	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

INSUFFICIENT TISSUE

Adrenal Gland - Medulla

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Mild
Blood		Leukemia Mononuclear	Moderate
Heart		Cardiomyopathy	Moderate
Intestine Large	Rectum	Parasite Metazoan	Mild
Note: PARASITE META TGLs = 3-7			
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	Moderate
Lung		Leukemia Mononuclear	Moderate
Lymph Node	Mesenteric	Congestion	Moderate
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
	Mandibular	Leukemia Mononuclear	Moderate
	Mesenteric	Leukemia Mononuclear	Moderate
Note: CONGESTION TGLs = 4-8			
Nose		Inflammation	Chronic, Moderate
		Metaplasia	Squamous, Mild
Pancreas	Acinus	Atrophy	Focal, Moderate
Preputial Gland		Inflammation	Chronic, Mild
Salivary Glands		Karyomegaly	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 17:41:35  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 136	<b>TRT#:</b> 3 <b>DOSE:</b> 0.3% MM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 731 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Seminal Vesicle		Atrophy	Marked
Spleen	Capsule	Fibrosis Leukemia Mononuclear	Focal, Moderate Moderate
[ Fibrosis TGLS = 2-3.1 ] [ Leukemia Mononuclear TGLS = 1-3.1 ]			
Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Moderate
Note: ADENOMA TGLs = 5-6			

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 137

TRT#: 3

DOSE: 0.3% MM

SEX: Male

DISP: Dead

DAY ON TEST: 441

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea

MISSING

Intestine Large - Rectum	Mammary Gland	Pituitary Gland	Preputial Gland
Thymus			

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Small - Ileum	Urinary Bladder
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OBSERVATIONS

Adrenal Gland Note: GANGLIONEUROMA TGLs = 4-8.1	Medulla	Ganglioneuroma	
Heart Note: DILATATION TGLs = 5-2.1		Cardiomyopathy Dilatation	Moderate Marked
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Mild
Lung		Congestion	Marked
Lymph Node	Mediastinal	Congestion	Moderate
	Mesenteric	Congestion	Mild
Prostate Note: CONGESTION TGLs = 2-2 Note: CONGESTION TGLs = 3-8		Inflammation	Chronic, Mild
Salivary Glands		Karyomegaly	Mild
Spleen		Congestion	Marked
Testes Note: ADENOMA TGLs = 7	Interstit Cell Interstit Cell	Adenoma Hyperplasia	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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**ANIMAL ID:** 137

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 441

**DOSE:** 0.3% MM

**DISP:** Dead

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 138

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.3% MM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Mammary Gland
Nose	Parathyroid Gland	Pituitary Gland	Preputial Gland
Prostate	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Islets, Pancreatic	Pancreas
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OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Blood		Leukemia Mononuclear	Moderate
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	Moderate
Lung		Leukemia Mononuclear	Moderate
		[ Leukemia Mononuclear TGLS = 2-1+2 ]	
Lymph Node	Mandibular	Congestion	Moderate
	Mandibular	Infiltration Cellular	Plasma Cell, Marked
	Mesenteric	Leukemia Mononuclear	Moderate
		Note: CONGESTION TGLs = 1-9	
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
		Leukemia Mononuclear	Moderate
		Thrombosis	
		[ Hematopoietic Cell Proliferation TGLS = 6-3.1 ]	
		[ Thrombosis TGLS = 5-3.1 ]	
Testes	Bilateral, Interstit Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 138	<b>TRT#:</b> 3 <b>DOSE:</b> 0.3% MM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 731 <b>HISTO:</b>
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Note: ADENOMA      TGLs = 3-6,4-6	Seminif Tub	Atrophy	Moderate
<b>PRIMARY CAUSE OF DEATH</b>	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 140

TRT#: 3

SEX: Male

DAY ON TEST: 642

DOSE: 0.3% MM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Skin
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OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Mild
Lymph Node	Mesenteric	Granuloma	Moderate
	Mandibular	Infiltration Cellular	Plasma Cell, Minimal
Nose		Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
Preputial Gland		Carcinoma	
Note: CARCINOMA	TGLs = 2-10.1		
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Mild
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked

Note: ADENOMA TGLs = 4-6

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 141

TRT#: 3

DOSE: 0.3% MM

SEX: Male

DISP: Moribund

DAY ON TEST: 714

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Mammary Gland	Pancreas	Prostate
Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

MISSING

Parathyroid Gland

OBSERVATIONS

Brain		Hydrocephalus	Marked
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Note: NEPHROPATHY	TGLs = 2-4		
Liver	Bile Duct	Hyperplasia	Moderate
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Granuloma	Moderate
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Nose		Inflammation	Acute, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 3-8		
Preputial Gland		Inflammation	Chronic, Mild
Salivary Glands		Karyomegaly	Mild
Skin	Lymphatic, Subcut Tiss	Dilatation	Marked
Note: DILATATION	TGLs = 1-13		
Spleen		Pigmentation	Hemosiderin, Moderate
Testes	Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 4		
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 142

TRT#: 3

SEX: Male

DAY ON TEST: 638

DOSE: 0.3% MM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

Adrenal Gland - Medulla  
Esophagus  
Intestine Small - Duodenum  
Mammary Gland  
Stomach - Forestomach  
Trachea

Bone  
Intestine Large - Cecum  
Intestine Small - Ileum  
Parathyroid Gland  
Stomach - Glandular

Bone Marrow  
Intestine Large - Colon  
Intestine Small - Jejunum  
Preputial Gland  
Thymus

MISSING

Lymph Node - Mandibular

Urinary Bladder

OBSERVATIONS

Brain  
Heart  
Kidney  
Liver

Bile Duct

Hydrocephalus  
Cardiomyopathy  
Nephropathy  
Hyperplasia  
Leukemia Mononuclear

Moderate  
Moderate  
Moderate  
Moderate  
Moderate

[ Hyperplasia TGLS = 5-3 ]

Lung

Congestion  
Leukemia Mononuclear

Mild  
Moderate

[ Congestion TGLS = 4-1+2 ]

Lymph Node

Mesenteric  
Mesenteric

Congestion  
Leukemia Mononuclear  
Inflammation  
Atrophy  
Adenoma

Moderate  
Moderate  
Chronic, Moderate  
Focal, Moderate

Nose

Pancreas

Pituitary Gland

Acinus  
Pars Distalis

Note: ADENOMA TGLs = 6-8

Prostate

Salivary Glands

Seminal Vesicle

Spleen

Inflammation  
Karyomegaly  
Atrophy  
Leukemia Mononuclear  
Pigmentation  
Adenoma

Chronic, Mild  
Mild  
Minimal  
Moderate  
Hemosiderin, Mild

Testes

Interstit Cell

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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**ANIMAL ID:** 142

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 638

**DOSE:** 0.3% MM

**DISP:** Moribund

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: ADENOMA      TGLs = 3-6

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 144

TRT#: 3

SEX: Male

DAY ON TEST: 620

DOSE: 0.3% MM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Prostate  
Urinary Bladder

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Rectum  
Islets, Pancreatic  
Seminal Vesicle

Bone  
Esophagus  
Intestine Small - Duodenum  
Nose  
Thyroid Gland

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Preputial Gland  
Trachea

MISSING

Mammary Gland

Parathyroid Gland

OBSERVATIONS

Heart  
Kidney

Cardiomyopathy  
Leukemia Mononuclear  
Nephropathy

Moderate  
  
Mild

Note: [ LEUKEMIA MONUC ] TGLs = 10-4

Liver

Bile Duct

Hyperplasia  
Leukemia Mononuclear

Mild

Note: [ LEUKEMIA MONUC ] TGLs = 9-3

Lung

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 4-1+2

Lymph Node

Mandibular  
Mandibular  
Mediastinal  
Mesenteric  
Renal

Infiltration Cellular  
Leukemia Mononuclear  
Leukemia Mononuclear  
Leukemia Mononuclear  
Leukemia Mononuclear

Plasma Cell, Moderate

Note: [ LEUKEMIA MONUC ] TGLs = 11-2.1

Note: [ LEUKEMIA MONUC ] TGLs = 5-2

Pancreas

Hemorrhage  
Leukemia Mononuclear

Focal, Moderate

Note: HEMORRHAGE TGLs = 8-9

Pituitary Gland  
Salivary Glands

Pars Distalis

Adenoma  
Karyomegaly

Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 17:41:35  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 144

**TRT#:** 3  
**DOSE:** 0.3% MM

**SEX:** Male  
**DISP:** Moribund

**DAY ON TEST:** 620  
**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Skin Note: KERATOACANTHMA TGLs = 3-13		Keratoacanthoma	
Spleen Note: [ LEUKEMIA MONUC ] TGLs = 7-3.1		Leukemia Mononuclear	
Stomach	Forestomach	Hyperplasia	Basal Cell, Mild
	Glandular	Ulcer	Mild
Testes Note: ADENOMA TGLs = 6-6	Bilateral, Interstit Cell	Adenoma	
Thymus		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 146

TRT#: 3

SEX: Male

DAY ON TEST: 655

DOSE: 0.3% MM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Epididymis  
Intestine Small - Ileum  
Pancreas  
Stomach - Glandular

Bone  
Esophagus  
Intestine Small - Jejunum  
Parathyroid Gland  
Trachea

Bone Marrow  
Intestine Large - Colon  
Islets, Pancreatic  
Preputial Gland  
Urinary Bladder

Brain  
Intestine Small - Duodenum  
Mammary Gland  
Stomach - Forestomach

MISSING

Thymus

OBSERVATIONS

Adrenal Gland  
Heart  
Intestine Large

Medulla  
Cecum  
Rectum

Hyperplasia  
Cardiomyopathy  
Parasite Metazoan  
Parasite Metazoan

Focal, Moderate  
Mild  
Marked  
Moderate

Kidney  
Liver

Bile Duct

Nephropathy  
Hyperplasia  
Necrosis

Mild  
Mild  
Focal, Minimal

Lung  
Lymph Node

Peribronchial  
Mesenteric  
Mandibular

Inflammation  
Granuloma  
Infiltration Cellular  
Inflammation  
Metaplasia

Chronic, Mild  
Moderate  
Plasma Cell, Marked  
Chronic, Mild  
Squamous, Mild

Note: INFLAMMATION TGLs = 3-12

Pituitary Gland  
Prostate  
Salivary Glands  
Seminal Vesicle  
Skin

Pars Distalis  
  
  
  
Subcut Tiss

Hyperplasia  
Atrophy  
Karyomegaly  
Atrophy  
Fibroma

Focal, Marked  
Mild  
Moderate  
Marked

Note: FIBROMA TGLs = 4-13

Spleen  
Testes

Bilateral, Interstit Cell  
Seminif Tub

Hematopoietic Cell Proliferation  
Adenoma  
Atrophy

Mild  
Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 146	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 655
	<b>DOSE:</b> 0.3% MM	<b>DISP:</b> Moribund	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: ADENOMA	TGLs = 5-6,6-6		
Thyroid Gland	C Cell	Hyperplasia	Mild
<b>PRIMARY CAUSE OF DEATH</b>	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 147

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.3% MM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Blood		Leukemia Mononuclear	Moderate
Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	Moderate
Lung		Leukemia Mononuclear	Moderate
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
	Mesenteric	Leukemia Mononuclear	Moderate
Pancreas	Acinus	Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Marked
Spleen		Leukemia Mononuclear	Moderate
Stomach	Glandular	Mineralization	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: ADENOMA	TGLs = 1-6		
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 148

TRT#: 3

DOSE: 0.3% MM

SEX: Male

DISP: Moribund

DAY ON TEST: 478

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Intestine Large	Rectum	Parasite Metazoan	Marked
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Mild
Lung	Peribronchial	Inflammation	Chronic, Minimal
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Marked
Note: INFILTRAT CELL TGLs = 2-9			
Nose		Inflammation	Chronic, Mild
		Metaplasia	Squamous, Marked
Pituitary Gland	Pars Distalis	Angiectasis	Mild
Salivary Glands		Karyomegaly	Moderate
Spleen		Hematopoietic Cell Proliferation	Minimal
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
Note: ADENOMA TGLs = 3			
Zymbal's Gland		Carcinoma	
Note: CARCINOMA TGLs = 1-13			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 150

TRT#: 3

SEX: Male

DAY ON TEST: 703

DOSE: 0.3% MM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Epididymis  
Intestine Large - Rectum  
Mammary Gland  
Stomach - Forestomach  
Urinary Bladder

Adrenal Gland - Medulla  
Esophagus  
Intestine Small - Duodenum  
Nose  
Stomach - Glandular

Bone  
Intestine Large - Cecum  
Intestine Small - Ileum  
Parathyroid Gland  
Thyroid Gland

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Skin  
Trachea

MISSING

Islets, Pancreatic

Pancreas

Thymus

OBSERVATIONS

Bone Marrow  
Heart  
Kidney  
Liver  
  
[ Hyperplasia TGLS = 3-3 ]  
Lung  
Lymph Node  
  
Pituitary Gland  
Preputial Gland  
Prostate  
Salivary Glands  
Seminal Vesicle  
Spleen

Bile Duct  
  
  
Mandibular  
Mesenteric  
Pars Distalis

Hyperplasia  
Cardiomyopathy  
Nephropathy  
Hyperplasia  
Leukemia Mononuclear  
  
Leukemia Mononuclear  
Infiltration Cellular  
Leukemia Mononuclear  
Hyperplasia  
Inflammation  
Atrophy  
Karyomegaly  
Atrophy  
Leukemia Mononuclear

Moderate  
Mild  
Moderate  
Moderate  
Moderate  
  
Moderate  
Plasma Cell, Mild  
Moderate  
Focal, Moderate  
Chronic, Minimal  
Moderate  
Moderate  
Marked  
Moderate

[ Leukemia Mononuclear TGLS = 2-3.1 ]

Testes  
Bilateral, Interstit Cell  
Seminif Tub

Adenoma  
Atrophy

Marked

Note: ADENOMA TGLs = 4-6

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 152

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 0.3% MM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Eye
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Islets, Pancreatic	Mammary Gland	Pancreas	Parathyroid Gland
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Intestine Small - Jejunum

OBSERVATIONS

Harderian Gland		Pigmentation	Mild
Note: PIGMENT	TGLs = 1-13		
Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Mild
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Nose		Inflammation	Chronic, Mild
		Metaplasia	Squamous, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Chronic, Mild
Prostate		Inflammation	Chronic, Mild
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Marked
Spleen		Pigmentation	Hemosiderin, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: ADENOMA	TGLs = 2-6		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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**ANIMAL ID:** 152

**TRT#:** 3

**DOSE:** 0.3% MM

**SEX:** Male

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 732

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 153

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 0.3% MM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Mild
Lung	Peribronchial	Inflammation	Chronic, Mild
	Alveolar Epith	Metaplasia	Mild
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Nose		Metaplasia	Squamous, Mild
Pancreas	Acinus	Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
Preputial Gland		Carcinoma	
Note: CARCINOMA	TGLs = 1-10		
Prostate		Inflammation	Acute, Mild
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Marked
Note: ATROPHY	TGLs = 2-6		
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: ADENOMA	TGLs = 3-6,4-6		

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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**ANIMAL ID:** 153

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0.3% MM

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 154

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 0.3% MM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Epididymis  
Intestine Large - Colon  
Intestine Small - Jejunum  
Pancreas  
Stomach - Glandular  
Urinary Bladder

Bone  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Skin  
Thymus

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Liver  
Spleen  
Thyroid Gland

Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lung  
Stomach - Forestomach  
Trachea

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland  
Kidney

Bilateral, Medulla

Pheochromocytoma Benign  
Cyst  
Nephropathy

Marked

Note: CYST TGLs = 4  
[ Nephropathy TGLS = 3-4+4.1 ]

Lymph Node

Mesenteric  
Mandibular

Granuloma  
Infiltration Cellular  
Metaplasia  
Hyperplasia  
Hyperplasia  
Hyperplasia  
Atrophy  
Karyomegaly  
Atrophy

Mild  
Plasma Cell, Marked  
Squamous, Mild  
Mild  
Focal, Minimal  
Mild  
Moderate  
Moderate  
Marked

Nose  
Parathyroid Gland  
Pituitary Gland  
Preputial Gland  
Prostate  
Salivary Glands  
Seminal Vesicle

Pars Distalis

Note: ATROPHY TGLs = 2-6

Testes

Bilateral, Interstit Cell

Adenoma

Note: ADENOMA TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 155

TRT#: 3

SEX: Male

DAY ON TEST: 624

DOSE: 0.3% MM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Brain		Hydrocephalus	Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
Lung		Carcinoma	Metastatic (Zymbal'S Gland)
	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Marked
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS	TGLs = 3-14		
Nose		Metaplasia	Squamous, Mild
Pancreas	Acinus	Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 4-8		
Salivary Glands		Karyomegaly	Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
Zymbal's Gland		Carcinoma	
Note: CARCINOMA	TGLs = 2-13		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 156

TRT#: 3

SEX: Male

DAY ON TEST: 627

DOSE: 0.3% MM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Parathyroid Gland	Pituitary Gland	Preputial Gland
Seminal Vesicle	Stomach - Glandular	Thymus	Trachea

MISSING

Mammary Gland	Skin
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OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Mild
Heart		Cardiomyopathy	Minimal
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Minimal
Lymph Node	Mandibular	Angiectasis	Marked
	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
Mesentery		Liposarcoma	
Note: [ LIPOSARC ]	TGLs = 3-13+13.1		
Nose		Inflammation	Chronic, Minimal
		Metaplasia	Squamous, Mild
Pancreas	Acinus	Atrophy	Focal, Moderate
Prostate		Inflammation	Acute, Mild
Salivary Glands		Karyomegaly	Moderate
Spleen		Hematopoietic Cell Proliferation	Mild
Stomach	Forestomach	Hyperplasia	Basal Cell, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
		Liposarcoma	Metastatic (Uncertain Primary Site)
Note: ADENOMA	TGLs = 2-6		
Thyroid Gland	C Cell	Hyperplasia	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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**ANIMAL ID:** 156

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 627

**DOSE:** 0.3% MM

**DISP:** Moribund

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Urinary Bladder

Concretion

Mild

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 157

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 0.3% MM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Blood		Leukemia Mononuclear	Moderate
Bone Marrow		Hyperplasia	Minimal
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC TGLs = 4-3			
Lung		Leukemia Mononuclear	Moderate
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
	Mesenteric	Leukemia Mononuclear	Moderate
Nose		Metaplasia	Squamous, Mild
Pancreas	Acinus	Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Prostate		Atrophy	Moderate
Salivary Glands		Karyomegaly	Moderate
Seminal Vesicle		Atrophy	Marked
Spleen		Leukemia Mononuclear	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild

Note: ADENOMA TGLs = 1-6,5-6

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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**ANIMAL ID:** 157

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 733

**DOSE:** 0.3% MM

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 158

TRT#: 3

SEX: Male

DAY ON TEST: 719

DOSE: 0.3% MM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Bone

Brain

Epididymis

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Mammary Gland

Parathyroid Gland

Pituitary Gland

Stomach - Forestomach

Stomach - Glandular

Trachea

Urinary Bladder

MISSING

Islets, Pancreatic

Thymus

OBSERVATIONS

Adrenal Gland

Bilateral, Medulla

Pheochromocytoma Benign

Blood

Leukemia Mononuclear

Moderate

Bone Marrow

Hyperplasia

Moderate

Heart

Cardiomyopathy

Mild

Kidney

Nephropathy

Moderate

Note: NEPHROPATHY TGLs = 6-4,7-4

Liver

Bile Duct

Hyperplasia

Mild

Note: LEUKEMIA MONUC TGLs = 5-3

Leukemia Mononuclear

Moderate

Lung

Leukemia Mononuclear

Moderate

Lymph Node

Lymphatic, Mesenteric

Angiectasis

Moderate

Mandibular

Leukemia Mononuclear

Moderate

Mesenteric

Leukemia Mononuclear

Moderate

Note: ANGIECTASIS TGLs = 9-8

Nose

Fungus

Inflammation

Acute, Moderate

Preputial Gland

Inflammation

Chronic, Mild

Prostate

Atrophy

Marked

Salivary Glands

Karyomegaly

Moderate

Seminal Vesicle

Atrophy

Marked

Skin

Subcut Tiss

Fibrosarcoma

Note: FIBROSARC TGLs = 2-13

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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**ANIMAL ID:** 158

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 719

**DOSE:** 0.3% MM

**DISP:** Moribund

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Spleen [ Leukemia Mononuclear TGLS = 4-3.1 ]		Leukemia Mononuclear	Moderate
Testes Note: ADENOMA TGLs = 3-6	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Marked
Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 159

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 0.3% MM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex Bilateral, Medulla	Cytoplasmic Alteration Pheochromocytoma Benign	Focal, Mild
Bone Marrow		Hyperplasia	Mild
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia Necrosis	Mild Focal, Minimal
Lymph Node	Mesenteric Mandibular	Granuloma Infiltration Cellular	Mild Plasma Cell, Marked
Note: INFILTRAT CELL TGLs = 2-9			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 4-8			
Preputial Gland		Inflammation	Chronic, Mild
Prostate		Inflammation	Chronic, Mild
Salivary Glands		Karyomegaly	Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
Testes	Interstit Cell Seminif Tub	Adenoma Atrophy	Mild
Note: ADENOMA TGLs = 3-6,5			
Thyroid Gland	C Cell	Hyperplasia	Marked
Zymbal's Gland		Carcinoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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**ANIMAL ID:** 159

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 733

**DOSE:** 0.3% MM

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: CARCINOMA      TGLs = 1-13+13.1

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 160

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 0.3% MM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mammary Gland	Pancreas	Parathyroid Gland	Preputial Gland
Prostate	Seminal Vesicle	Skin	Spleen
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland Note: CARCINOMA TGLs = 4-8	Cortex	Carcinoma	
Heart		Cardiomyopathy	Mild
Intestine Large	Cecum	Parasite Metazoan	Moderate
Kidney Note: NEPHROPATHY TGLs = 5-4+4.1,6-4+4.1		Nephropathy	Marked
Liver	Bile Duct	Fatty Change	Minimal
		Hyperplasia	Mild
Lung		Alveolar/Bronchiolar Adenoma	
	Peribronchial	Carcinoma	Metastatic (Adrenal Gland)
		Inflammation	Chronic, Mild
	[ Alveolar/Bronchiolar Adenoma TGLS = 9-1.1 ]		
	[ Inflammation TGLS = 1-1 ]		
Lymph Node Note: ANGIECTASIS TGLs = 10-8.1	Lymphatic, Mesenteric Mandibular	Angiectasis Infiltration Cellular	Marked Plasma Cell, Marked
Nose		Metaplasia	Squamous, Mild
Pituitary Gland Note: ADENOMA TGLs = 8-8	Pars Distalis	Adenoma	
Salivary Glands		Karyomegaly	Mild
Stomach	Forestomach	Hyperplasia	Basal Cell, Moderate
Testes Note: ADENOMA TGLs = 2-6	Bilateral, Interstit Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 160	<b>TRT#:</b> 3 <b>DOSE:</b> 0.3% MM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 733 <b>HISTO:</b>
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 161

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 0.3% MM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Mammary Gland	Skin	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Stomach - Forestomach

OBSERVATIONS

Adrenal Gland	Cortex	Congestion	Mild
	Cortex	Cytoplasmic Alteration	Focal, Moderate
	Medulla	Hyperplasia	Focal, Mild
Note: CONGESTION TGLs = 4-8			
Blood		Leukemia Mononuclear	Moderate
Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Mild
Intestine Large	Cecum	Parasite Metazoan	Mild
	Rectum	Parasite Metazoan	Marked
Kidney		Nephropathy	Marked
Note: NEPHROPATHY TGLs = 5-4			
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	Moderate
[ Hyperplasia TGLS = 6-3 ]			
Lung		Leukemia Mononuclear	Moderate
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Marked
	Mesenteric	Leukemia Mononuclear	Moderate
Nose		Inflammation	Acute, Mild
Pancreas	Acinus	Atrophy	Focal, Mild
Parathyroid Gland		Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 7-8			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

**ANIMAL ID:** 161

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0.3% MM

**DISP:** Terminal Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Preputial Gland		Inflammation	Chronic, Mild
Prostate		Atrophy	Moderate
Salivary Glands		Karyomegaly	Moderate
Seminal Vesicle		Atrophy	Marked
Spleen		Leukemia Mononuclear	Moderate
[ Leukemia Mononuclear TGLS = 3-3 ]			
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Hypospermia	Moderate
Note: HYOSPERMIA	TGLs = 1-6		
Note: ADENOMA	TGLs = 2-6		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 163

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 0.3% MM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Bone

Brain

Epididymis

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Mammary Gland

Pancreas

Skin

Stomach - Forestomach

Stomach - Glandular

Trachea

MISSING

Thymus

OBSERVATIONS

Adrenal Gland

Medulla

Pheochromocytoma Benign

Note: PHEOCHROM BGN TGLs = 5-8

Blood

Leukemia Mononuclear

Moderate

Bone Marrow

Hyperplasia

Moderate

Heart

Cardiomyopathy

Mild

Kidney

Renal Tubule

Adenoma

Nephropathy

Marked

Note: NEPHROPATHY TGLs = 6-4,7-4

Liver

Bile Duct

Hyperplasia

Leukemia Mononuclear

Moderate

Moderate

[ Hyperplasia TGLS = 8-3 ]

Lung

Leukemia Mononuclear

Moderate

Note: LEUKEMIA MONUC TGLs = 3-1+2

Lymph Node

Mesenteric

Granuloma

Mild

Mandibular

Infiltration Cellular

Plasma Cell, Mild

Mesenteric

Leukemia Mononuclear

Moderate

Nose

Inflammation

Chronic, Mild

Metaplasia

Squamous, Mild

Parathyroid Gland

Hyperplasia

Mild

Pituitary Gland

Pars Distalis

Hyperplasia

Focal, Mild

Preputial Gland

Inflammation

Chronic, Minimal

Prostate

Inflammation

Acute, Marked

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 163

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 0.3% MM

DISP: Terminal Sacrifice

HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Moderate
Spleen		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC	TGLs = 4-3.1		
Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy Hemorrhage	Marked Marked
Note: ADENOMA	TGLs = 1-6,2-6		
Thyroid Gland	C Cell	Hyperplasia	Mild
Urinary Bladder		Inflammation	Chronic, Mild
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 165

TRT#: 3

SEX: Male

DAY ON TEST: 648

DOSE: 0.3% MM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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	Mammary Gland	Pancreas
Parathyroid Gland	Skin	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Moderate
Harderian Gland		Pigmentation	Marked
Note: PIGMENT TGLs = 1-13			
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Marked
[ Nephropathy TGLS = 7-4,8-4 ]			
Liver		Fatty Change	Moderate
[ Fatty Change TGLS = 9-3 ]			
Lung		Congestion	Mild
[ Congestion TGLS = 3-1+2 ]			
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Nose		Fungus	
		Inflammation	Acute, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 10-8			
Preputial Gland		Inflammation	Chronic, Mild
Prostate		Atrophy	Moderate
Salivary Glands		Karyomegaly	Minimal
Seminal Vesicle		Atrophy	Moderate
Spleen		Pigmentation	Hemosiderin, Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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**ANIMAL ID:** 165

**TRT#:** 3

**DOSE:** 0.3% MM

**SEX:** Male

**DISP:** Moribund

**DAY ON TEST:** 648

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Pigmentation TGLS = 5-3 ]

Stomach	Forestomach	Perforation	
	Forestomach	Ulcer	Marked
Note: ULCER	TGLs = 6-7+7.1		
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Note: HYPERPLASIA	TGLs = 4-6		
Note: ADENOMA	TGLs = 11		

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 166

TRT#: 3

SEX: Male

DAY ON TEST: 627

DOSE: 0.3% MM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC	TGLs = 5-3		
Lung		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC	TGLs = 6-1+2		
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Nose		Inflammation	Chronic, Minimal
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Marked
Spleen		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC	TGLs = 4-3		
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 3-6		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 167

TRT#: 3

DOSE: 0.3% MM

SEX: Male

DISP: Moribund

DAY ON TEST: 582

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Brain		Hydrocephalus	Mild
Harderian Gland		Pigmentation	Mild
Note: PIGMENT	TGLs = 1-13		
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Fatty Change	Mild
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
Note: ANOM HEPAT LOB	TGLs = 7-3		
Lung	Peribronchial	Inflammation	Chronic, Moderate
Lymph Node	Mandibular	Congestion	Moderate
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Note: CONGESTION	TGLs = 3-9		
Nose		Metaplasia	Squamous, Mild
Pancreas	Acinus	Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 6-8		
Prostate		Inflammation	Acute, Mild
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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**ANIMAL ID:** 167

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 582

**DOSE:** 0.3% MM

**DISP:** Moribund

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Note: HYPERPLASIA TGLs = 8

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 169

TRT#: 3

SEX: Male

DAY ON TEST: 670

DOSE: 0.3% MM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Stomach - Forestomach	Thymus
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OBSERVATIONS

Bone Marrow		Hyperplasia	Moderate
Harderian Gland		Pigmentation	Mild
Note: PIGMENT TGLs = 1-13			
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Moderate
Note: TGL 9 IS AN ADHESION.			
Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	Marked
Note: ANOM HEPAT LOB TGLs = 10			
Lung		Leukemia Mononuclear	Marked
Lymph Node	Mandibular	Leukemia Mononuclear	Marked
	Mediastinal	Leukemia Mononuclear	Marked
	Mesenteric	Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC TGLs = 4-2 [ Leukemia Mononuclear TGLS = 8-8 ]			
Mammary Gland		Ectasia	Mild
Note: ECTASIA TGLs = 3-10			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 7-8			
Salivary Glands		Karyomegaly	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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**ANIMAL ID:** 169

**TRT#:** 3

**DOSE:** 0.3% MM

**SEX:** Male

**DISP:** Moribund

**DAY ON TEST:** 670

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Skin  
Note: FIBROMA TGLs = 2-14+14.1

Subcut Tiss

Fibroma

Spleen  
Note: LEUKEMIA MONUC TGLs = 6-3

Leukemia Mononuclear

Marked

Testes  
Note: ADENOMA TGLs = 5-6

Bilateral, Interstit Cell  
Seminif Tub

Adenoma  
Atrophy

Moderate

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 170

TRT#: 3

SEX: Male

DAY ON TEST: 698

DOSE: 0.3% MM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Epididymis
Esophagus	Eye	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Nose	Pancreas
Pituitary Gland	Preputial Gland	Skin	Stomach - Forestomach
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Bone Marrow		Leukemia Mononuclear	
Harderian Gland		Pigmentation	Mild
Note: PIGMENT TGLs = 2-13			
Heart		Cardiomyopathy	Moderate
Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
Liver		Hepatocellular Adenoma	
		Leukemia Mononuclear	
[ Hepatocellular Adenoma TGLS = 8-3 ]			
Lymph Node	Axillary	Leukemia Mononuclear	
	Inguinal	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 4-2			
Note: [ LEUKEMIA MONUC ] TGLs = 16-15			
Note: [ LEUKEMIA MONUC ] TGLs = 11-8.1			
Note: [ LEUKEMIA MONUC ] TGLs = 3-9			

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 170

TRT#: 3

SEX: Male

DAY ON TEST: 698

DOSE: 0.3% MM

DISP: Moribund

HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ LEUKEMIA MONUC ] TGLs = 12,13-4

Note: [ LEUKEMIA MONUC ] TGLs = 9,10-14

Note: [ LEUKEMIA MONUC ] TGLs = 14,15-13

Prostate		Atrophy	Mild
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Marked
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 7-3.1			
Stomach	Glandular	Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Marked
Note: ADENOMA TGLs = 6-6			
Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 171

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 0.3% MM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Parathyroid Gland
Preputial Gland	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland Note: PHEOCHROM BGN TGLs = 5-8	Medulla	Pheochromocytoma Benign	
Blood		Leukemia Mononuclear	Moderate
Heart		Cardiomyopathy	Mild
Intestine Large	Rectum	Parasite Metazoan	Mild
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Mild
		Leukemia Mononuclear	Moderate
Note: ANOM HEPAT LOB TGLs = 6-3			
Lung		Leukemia Mononuclear	Moderate
Lymph Node	Lymphatic, Mesenteric	Angiectasis	Marked
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
	Mandibular	Leukemia Mononuclear	Moderate
	Mesenteric	Leukemia Mononuclear	Moderate
Note: ANGIECTASIS TGLs = 4-8			
Nose		Metaplasia	Squamous, Mild
Pancreas	Acinus	Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Cyst	
Prostate		Atrophy	Moderate
Salivary Glands		Karyomegaly	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 17:41:35  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 171	<b>TRT#:</b> 3 <b>DOSE:</b> 0.3% MM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 732 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Seminal Vesicle Note: ATROPHY      TGLs = 1-6		Atrophy	Marked
Spleen		Leukemia Mononuclear	Moderate
Testes Note: ADENOMA      TGLs = 2-6	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Marked
Thyroid Gland	C Cell	Hyperplasia	Marked

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PRIMARY CAUSE OF DEATH      -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 172

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 0.3% MM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Stomach - Forestomach
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OBSERVATIONS

Adrenal Gland Note: PHEOCHROM MAL TGLs = 4-8	Medulla	Pheochromocytoma Malignant	
Eye Note: FIBROSIS TGLs = 1-13	Antr Chamber	Fibrosis	Mild
Heart		Cardiomyopathy	Mild
Intestine Large	Cecum	Parasite Metazoan	Moderate
Kidney [ Nephropathy TGLS = 5-4,6-4 ]	Renal Tubule	Hyperplasia Nephropathy	Minimal Moderate
Liver Note: ANOM HEPAT LOB TGLs = 9 [ Congestion TGLS = 7-3 ]		Congestion Hepatodiaphragmatic Nodule	Minimal
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Granuloma	Minimal
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Nose		Inflammation	Chronic, Mild
		Metaplasia	Squamous, Mild
Pancreas Note: HYPERTROPHY TGLs = 8-9	Artery	Hypertrophy	Marked
Pituitary Gland	Pars Distalis	Adenoma	
Salivary Glands		Karyomegaly	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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**ANIMAL ID:** 172

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0.3% MM

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Seminal Vesicle

Atrophy

Marked

Spleen

Hematopoietic Cell Proliferation

Mild

Testes

Bilateral, Interstit Cell

Adenoma

Seminif Tub

Atrophy

Moderate

Note: ADENOMA TGLs = 3-6

Thyroid Gland

C Cell

Carcinoma

Note: CARCINOMA TGLs = 2-8

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 173

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 0.3% MM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland
Parathyroid Gland	Pituitary Gland	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Moderate
	Medulla	Pheochromocytoma Malignant	
Note: PHEOCHROM MAL TGLs = 8-8			
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Moderate
Kidney	Renal Tubule	Adenoma	
		Nephropathy	Moderate
	Renal Tubule	Pigmentation	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Focal, Moderate
		Leukemia Mononuclear	Moderate
Note: HYPERPLASIA TGLs = 7-3			
Lung		Leukemia Mononuclear	Moderate
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Marked
	Mesenteric	Leukemia Mononuclear	Moderate
Nose		Metaplasia	Squamous, Mild
Pancreas		Edema	Moderate
Note: EDEMA TGLs = 6-9			
Preputial Gland		Hyperplasia	Minimal
Note: [ HYPERPLASIA ] TGLs = 2-10			
Prostate		Atrophy	Moderate
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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**ANIMAL ID:** 173

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0.3% MM

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Skin		Keratoacanthoma	
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Note: KERATOACANTHMA TGLs = 1-13+13.1

Spleen		Leukemia Mononuclear	Moderate
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Note: [ LEUKEMIA MONUC ] TGLs = 4-3.1

Testes	Bilateral, Interstit Cell	Adenoma	
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Seminif Tub

Atrophy

Marked

Note: ADENOMA TGLs = 3-6

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 174

TRT#: 3

DOSE: 0.3% MM

SEX: Male

DISP: Moribund

DAY ON TEST: 471

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Mild
Lung	Peribronchial	Inflammation	Chronic, Mild
Note: INFLAMMATION TGLs = 3-1			
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Marked
Note: INFILTRAT CELL TGLs = 2-9			
Nose		Inflammation	Chronic, Minimal
		Metaplasia	Squamous, Mild
Pancreas	Acinus	Atrophy	Focal, Minimal
Prostate		Inflammation	Subacute, Moderate
Salivary Glands		Karyomegaly	Moderate
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Moderate
Note: ADENOMA TGLs = 5			
Zymbal's Gland		Carcinoma	
Note: CARCINOMA TGLs = 1-13			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 175

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 0.3% MM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland	Stomach - Forestomach	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Congestion	Mild
	Bile Duct	Hyperplasia	Moderate
[ Congestion TGLS = 2-3 ]			
Lymph Node	Mesenteric	Granuloma	Mild
Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
Preputial Gland		Abscess	Marked
Note: ABSCESS	TGLs = 1-10		
Salivary Glands		Karyomegaly	Mild
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
Note: ADENOMA	TGLs = 3		
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 176

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 0.3% MM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Epididymis
Esophagus	Eye	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Mammary Gland	Parathyroid Gland
Prostate	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Intestine Large - Rectum

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Bone Marrow		Hyperplasia	Mild
Harderian Gland		Pigmentation	Moderate
Note: PIGMENT TGLs = 1-13			
Kidney	Renal Tubule	Hyperplasia	Mild
		Nephropathy	Moderate
Note: NEPHROPATHY TGLs = 6-4,7-4			
Note: [ HYPERPLASIA ] TGLs = 5-4.1			
Liver	Bile Duct	Hyperplasia	Moderate
Lymph Node	Mesenteric	Granuloma	Minimal
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
		Inflammation	Chronic, Moderate
		Metaplasia	Squamous, Mild
Pancreas	Acinus	Atrophy	Focal, Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Preputial Gland		Abscess	Marked
Note: ABSCESS TGLs = 2-10			
Salivary Glands		Karyomegaly	Moderate
Seminal Vesicle		Atrophy	Marked
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 176	<b>TRT#:</b> 3 <b>DOSE:</b> 0.3% MM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 732 <b>HISTO:</b>
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Note: ADENOMA      TGLs = 3-6,4-6	Seminif Tub	Atrophy	Marked
<b>PRIMARY CAUSE OF DEATH</b>	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 177

TRT#: 3

SEX: Male

DAY ON TEST: 635

DOSE: 0.3% MM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Epididymis  
Intestine Small - Ileum  
Parathyroid Gland  
Thyroid Gland

Adrenal Gland - Medulla  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Preputial Gland  
Trachea

Bone  
Intestine Large - Colon  
Islets, Pancreatic  
Skin

Brain  
Intestine Small - Duodenum  
Mammary Gland  
Stomach - Glandular

MISSING

Esophagus

OBSERVATIONS

Bone Marrow  
Heart  
Intestine Large  
Kidney  
  
Liver  
  
Lung  
  
Note: LEUKEMIA MONUC TGLs = 5-2  
Lymph Node  
  
Note: LEUKEMIA MONUC TGLs = 3-9  
Nose  
  
Pancreas  
Pituitary Gland  
Prostate  
Salivary Glands  
Seminal Vesicle  
Spleen

Rectum  
  
Renal Tubule  
  
Bile Duct  
  
Alveolar Epith  
  
Mandibular  
Mesenteric  
  
Acinus  
Pars Intermed

Hyperplasia  
Cardiomyopathy  
Parasite Metazoan  
Nephropathy  
Pigmentation  
Fatty Change  
Hyperplasia  
Leukemia Mononuclear  
Leukemia Mononuclear  
Metaplasia  
  
Leukemia Mononuclear  
Leukemia Mononuclear  
  
Inflammation  
Metaplasia  
Atrophy  
Pigmentation  
Inflammation  
Karyomegaly  
Atrophy  
Leukemia Mononuclear

Mild  
Moderate  
Marked  
Moderate  
Minimal  
Mild  
Moderate  
Moderate  
Moderate  
Mild  
  
Moderate  
Moderate  
  
Acute, Mild  
Squamous, Moderate  
Focal, Moderate  
Hemosiderin, Mild  
Chronic, Mild  
Mild  
Marked  
Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 17:41:35  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 177	<b>TRT#:</b> 3 <b>DOSE:</b> 0.3% MM	<b>SEX:</b> Male <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 635 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: LEUKEMIA MONUC TGLs = 6-3			
Stomach	Forestomach	Leukemia Mononuclear	Moderate
Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Moderate
Note: ADENOMA TGLs = 7-6			
Thymus		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC TGLs = 4-2			
Urinary Bladder		Leukemia Mononuclear	Moderate

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<b>PRIMARY CAUSE OF DEATH</b>	-
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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 178

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 0.3% MM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Eye	Intestine Large - Cecum	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Pituitary Gland	Prostate	Skin	Stomach - Forestomach
Stomach - Glandular	Trachea	Urinary Bladder	

MISSING

Mammary Gland	Thymus
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INSUFFICIENT TISSUE

Harderian Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Mild
	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Moderate
Intestine Large	Colon	Parasite Metazoan	Marked
Note: PARASITE META TGLs = 11-7			
Kidney	Renal Tubule	Cyst	
		Nephropathy	Moderate
Note: NEPHROPATHY TGLs = 8-4,9-4			
Note: CYST TGLs = 7-4.1			
Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
Lung	Alveolar Epith	Metaplasia	Mild
[ Metaplasia TGLS = 4-2.1 ]			
Lymph Node	Mandibular	Congestion	Mild
	Mesenteric	Granuloma	Minimal
	Mandibular	Infiltration Cellular	Plasma Cell, Marked
Note: CONGESTION TGLs = 3-9			
Nose		Inflammation	Chronic, Mild
		Metaplasia	Squamous, Moderate
Pancreas		Congestion	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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**ANIMAL ID:** 178

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0.3% MM

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: CONGESTION TGLs = 6-9

Parathyroid Gland

Hyperplasia

Mild

Preputial Gland

Inflammation

Acute, Mild

Salivary Glands

Karyomegaly

Moderate

Seminal Vesicle

Atrophy

Marked

Spleen

Hematopoietic Cell Proliferation

Mild

Testes

Interstit Cell

Adenoma

Seminif Tub

Hypospermia

Moderate

Note: ADENOMA TGLs = 5-6

Thyroid Gland

C Cell

Adenoma

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 179

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 0.3% MM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Moderate
Lymph Node	Mesenteric	Granuloma	Minimal
	Mandibular	Infiltration Cellular	Plasma Cell, Marked
Nose		Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2-8			
Salivary Glands		Karyomegaly	Moderate
Seminal Vesicle		Atrophy	Marked
Spleen		Pigmentation	Hemosiderin, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: ADENOMA TGLs = 1-6			
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 180

TRT#: 3

SEX: Male

DAY ON TEST: 560

DOSE: 0.3% MM

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Urinary Bladder
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OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	Moderate
		Necrosis	Focal, Moderate
Note: LEUKEMIA MONUC TGLs = 2-3			
Note: NECROSIS TGLs = 7			
Lung		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC TGLs = 1-1+2			
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Mild
	Mandibular	Leukemia Mononuclear	Moderate
	Mesenteric	Leukemia Mononuclear	Moderate
	Pancreatic	Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC TGLs = 5-9			
Nose		Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Marked
Spleen		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC TGLs = 4-3			
Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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**ANIMAL ID:** 180

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 560

**DOSE:** 0.3% MM

**DISP:** Dead

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: ADENOMA      TGLs = 6

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 182

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 0.6% HM

DISP: Terminal Sacrifice

HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Parathyroid Gland  
Thymus

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

Blood  
Esophagus  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Stomach - Forestomach  
Urinary Bladder

Bone  
Intestine Large - Cecum  
Intestine Small - Ileum  
Nose  
Stomach - Glandular

**MISSING**

Mammary Gland

**OBSERVATIONS**

Bone Marrow  
Heart  
Kidney  
  
Note: LIPOMA TGLs = 6

Liver  
Lung  
Lymph Node  
Mesentery  
  
Note: NECROSIS TGLs = 5-13  
Pancreas  
Preputial Gland  
  
Note: CARCINOMA TGLs = 2-10.1

Prostate  
Salivary Glands  
Seminal Vesicle  
Skin  
  
Note: [ BASAL CEL ADEN ] TGLs = 1-13

Spleen  
Testes  
  
Bilateral, Interstit Cell  
Seminif Tub

Hyperplasia  
Cardiomyopathy  
Lipoma  
Nephropathy  
  
Hyperplasia  
Inflammation  
Granuloma  
Necrosis  
  
Atrophy  
Carcinoma  
  
Atrophy  
Karyomegaly  
Atrophy  
Basal Cell Adenoma  
  
Hematopoietic Cell Proliferation  
Adenoma  
Atrophy  
  
Mild  
Mild  
Mild  
Moderate  
  
Mild  
Chronic, Minimal  
Mild  
Moderate  
  
Focal, Minimal  
  
Marked  
Mild  
Marked  
  
Mild  
Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 182	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 0.6% HM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: ADENOMA	TGLs = 3-6		
Note: ATROPHY	TGLs = 4-6		
Thyroid Gland	C Cell	Hyperplasia	Minimal

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<b>PRIMARY CAUSE OF DEATH</b>	-
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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 183

TRT#: 4

SEX: Male

DAY ON TEST: 704

DOSE: 0.6% HM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Intestine Large	Cecum	Parasite Metazoan	Mild
Kidney		Nephropathy	Marked
Note: NEPHROPATHY	TGLs = 3-4+4.1,4-4+4.1		
Liver	Bile Duct	Hyperplasia	Mild
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Congestion	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Marked
Note: INFILTRAT CELL	TGLs = 6-9		
Mammary Gland		Ectasia	Mild
Pancreas	Acinus	Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 5-8		
Prostate		Atrophy	Marked
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Marked
Spleen		Hematopoietic Cell Proliferation	Mild
Stomach	Forestomach	Hyperkeratosis	Minimal
Testes	Interstit Cell	Adenoma	
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 184

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 0.6% HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Small - Duodenum  
Mammary Gland  
Prostate  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Intestine Large - Cecum  
Intestine Small - Ileum  
Nose  
Seminal Vesicle  
Testes

Bone  
Intestine Large - Colon  
Intestine Small - Jejunum  
Pancreas  
Skin  
Thymus

Epididymis  
Intestine Large - Rectum  
Islets, Pancreatic  
Parathyroid Gland  
Stomach - Forestomach  
Trachea

OBSERVATIONS

Blood  
Bone Marrow  
Brain  
Heart  
Kidney  
Liver  
  
Bile Duct

Leukemia Mononuclear  
Hyperplasia  
Carcinoma  
Cardiomyopathy  
Nephropathy  
Hepatodiaphragmatic Nodule  
Hyperplasia  
Leukemia Mononuclear

Moderate  
Moderate  
Metastatic (Pituitary Gland)  
Mild  
Mild  
Mild  
Moderate

Note: LEUKEMIA MONUC TGLs = 3-3

Note: ANOM HEPAT LOB TGLs = 5

Lung  
Lymph Node  
  
Lymphatic, Mandibular  
Mesenteric  
Mandibular  
Mesenteric

Leukemia Mononuclear  
Angiectasis  
Granuloma  
Infiltration Cellular  
Leukemia Mononuclear

Moderate  
Marked  
Mild  
Plasma Cell, Moderate  
Moderate

Note: ANGIECTASIS TGLs = 1-9

Pituitary Gland  
Pars Distalis

Note: CARCINOMA TGLs = 4-8

Preputial Gland  
Salivary Glands  
Spleen

Inflammation  
Karyomegaly  
Leukemia Mononuclear

Chronic, Minimal  
Mild  
Moderate

Note: LEUKEMIA MONUC TGLs = 2-3

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 184	<b>TRT#:</b> 4 <b>DOSE:</b> 0.6% HM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 729 <b>HISTO:</b>
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Thyroid Gland	C Cell	Adenoma	
<b>PRIMARY CAUSE OF DEATH</b>	-		

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 187

TRT#: 4

SEX: Male

DAY ON TEST: 657

DOSE: 0.6% HM

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Bone

Brain

Epididymis

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Jejunum

Mammary Gland

Pituitary Gland

Preputial Gland

Prostate

Seminal Vesicle

Skin

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

MISSING

Islets, Pancreatic

AUTO PRECLUDES DIAG.

Bone Marrow

Intestine Small - Ileum

Pancreas

Urinary Bladder

INSUFFICIENT TISSUE

Parathyroid Gland

OBSERVATIONS

Adrenal Gland

Medulla

Pheochromocytoma Benign

Note: PHEOCHROM BGN TGLs = 5-8

Heart

Cardiomyopathy

Mild

Kidney

Nephropathy

Moderate

Note: NEPHROPATHY TGLs = 3-4

Liver

Bile Duct

Hyperplasia

Mild

Leukemia Mononuclear

Moderate

Centrilobular

Necrosis

Moderate

Leukemia Mononuclear

Moderate

Lung

Lymph Node

Mesenteric

Granuloma

Mild

Mandibular

Infiltration Cellular

Plasma Cell, Marked

Nose

Fungus

Inflammation

Acute, Marked

Salivary Glands

Karyomegaly

Mild

Spleen

Leukemia Mononuclear

Testes

Interstit Cell

Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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**ANIMAL ID:** 187

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 657

**DOSE:** 0.6% HM

**DISP:** Dead

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: ADENOMA      TGLs = 1-6

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 188

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 0.6% HM

DISP: Terminal Sacrifice

HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Blood	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Pancreas	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

**MISSING**

Mammary Gland

**OBSERVATIONS**

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Mild
	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Intestine Large	Rectum	Parasite Metazoan	Marked
Kidney	Renal Tubule	Cyst	
		Nephropathy	Marked
Note: NEPHROPATHY	TGLs = 4-4		
Liver		Basophilic Focus	Minimal
Lung	Peribronchial	Inflammation	Chronic, Minimal
Lymph Node	Lymphatic, Mesenteric	Angiectasis	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
Note: ANGIECTASIS	TGLs = 6-8		
Nose		Inflammation	Chronic, Mild
Parathyroid Gland		Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 5-8		
Preputial Gland		Adenoma	
Prostate		Hyperplasia	Focal, Mild
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Moderate
Spleen		Hematopoietic Cell Proliferation	Minimal
Testes	Bilateral, Interstit Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 188	<b>TRT#:</b> 4 <b>DOSE:</b> 0.6% HM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 729 <b>HISTO:</b>
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Note: ADENOMA Thyroid Gland Note: ADENOMA	TGLs = 1-6,2-6 TGLs = 3-8	Seminif Tub C Cell	Atrophy Adenoma Moderate
<b>PRIMARY CAUSE OF DEATH</b>	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 189

TRT#: 4

SEX: Male

DAY ON TEST: 585

DOSE: 0.6% HM

DISP: Moribund

HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Mammary Gland
Pancreas	Parathyroid Gland	Prostate	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

**MISSING**

Lymph Node - Mandibular	Lymph Node - Mesenteric	Thymus
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**OBSERVATIONS**

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Moderate
Brain		Hydrocephalus	Mild
Heart		Cardiomyopathy	Minimal
Islets, Pancreatic		Hyperplasia	Minimal
Kidney		Nephropathy	Moderate
Note: NEPHROPATHY	TGLs = 5-4		
Liver	Bile Duct	Hyperplasia	Mild
Lung	Peribronchial	Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Inflammation	Chronic, Mild
		Metaplasia	Moderate
Note: METAPL	TGLs = 4-2		
Nose		Inflammation	Chronic, Mild
		Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 3-8		
Preputial Gland		Inflammation	Chronic, Minimal
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Moderate
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Hypospermia	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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**ANIMAL ID:** 189

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 585

**DOSE:** 0.6% HM

**DISP:** Moribund

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: ADENOMA      TGLs = 2-6

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 190

TRT#: 4

SEX: Male

DAY ON TEST: 591

DOSE: 0.6% HM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mammary Gland	Parathyroid Gland	Pituitary Gland	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Bone Marrow		Hyperplasia	Moderate
Heart		Leukemia Mononuclear	Marked
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC TGLs = 7-3			
Lung		Leukemia Mononuclear	Marked
Lymph Node	Mandibular	Leukemia Mononuclear	Marked
	Mesenteric	Leukemia Mononuclear	Marked
Nose		Metaplasia	Squamous, Mild
Pancreas		Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC TGLs = 6-9			
Preputial Gland		Inflammation	Chronic, Mild
Prostate		Inflammation	Acute, Mild
Salivary Glands		Karyomegaly	Mild
Spleen		Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC TGLs = 5-3			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 4-6			
Thymus		Leukemia Mononuclear	Marked
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 191

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 0.6% HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Nose	Pancreas
Parathyroid Gland	Preputial Gland	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Tooth
Trachea	Urinary Bladder		

MISSING

Mammary Gland	Prostate
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PRESENT BUT NOT EXAMINED

Skeletal Muscle
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OBSERVATIONS

Adrenal Gland Note: PHEOCHROM MAL TGLs = 5-8	Medulla	Pheochromocytoma Malignant	
Heart		Cardiomyopathy	Minimal
Kidney Note: NEPHROPATHY TGLs = 6-4		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Mild
Lung Note: CONGESTION TGLs = 1-1+2	Peribronchial	Congestion Inflammation	Minimal Chronic, Minimal
Lymph Node	Mesenteric Mandibular Pars Distalis	Granuloma Infiltration Cellular Adenoma	Mild Plasma Cell, Moderate
Pituitary Gland		Karyomegaly	Mild
Salivary Glands		Dilatation	Marked
Seminal Vesicle Note: DILATATION TGLs = 4-6			
Spleen		Hematopoietic Cell Proliferation	Minimal
Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Moderate

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 191	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 0.6% HM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: ADENOMA	TGLs = 2-6,3-6
<b>PRIMARY CAUSE OF DEATH</b>	-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 192

TRT#: 4

SEX: Male

DAY ON TEST: 695

DOSE: 0.6% HM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Epididymis
Esophagus	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Nose	Parathyroid Gland	Preputial Gland
Prostate	Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Mild
Intestine Large	Cecum	Parasite Metazoan	Mild
	Colon	Parasite Metazoan	Mild
	Rectum	Parasite Metazoan	Mild
Kidney	Renal Tubule	Hyperplasia	Mild
		Nephropathy	Marked
Note: NEPHROPATHY	TGLs = 7-4+4.1,8-4+4.1		
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	Moderate
Lung		Leukemia Mononuclear	Moderate
Lymph Node	Lymphatic, Renal	Angiectasis	Moderate
	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
	Renal	Infiltration Cellular	Plasma Cell, Marked
Note: ANGIECTASIS	TGLs = 9-4,10-4		
Pancreas	Acinus	Atrophy	Focal, Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Salivary Glands		Karyomegaly	Mild
Skin		Squamous Cell Carcinoma	
Note: [ SQUAM CEL CARC ]	TGLs = 2-10.1		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

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<b>ANIMAL ID:</b> 192	<b>TRT#:</b> 4 <b>DOSE:</b> 0.6% HM	<b>SEX:</b> Male <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 695 <b>HISTO:</b>
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<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Spleen		Leukemia Mononuclear	Moderate
Testes	Interstit Cell	Hyperplasia	Minimal
Note: [ HYPERPLASIA ] TGLs = 6-6			
Thyroid Gland	C Cell	Carcinoma	
Note: CARCINOMA TGLs = 3-8,4-8,5-8			

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<b>PRIMARY CAUSE OF DEATH</b>	-
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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:35

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 193

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 0.6% HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Pancreas	Parathyroid Gland
Preputial Gland	Skin	Stomach - Forestomach	Thymus
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hemorrhage	Focal, Moderate
Blood		Leukemia Mononuclear	Mild
Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney	Renal Tubule	Adenoma	
		Nephropathy	Moderate
Note: NEPHROPATHY TGLs = 5-4			
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	Mild
Note: LEUKEMIA MONUC TGLs = 6-3			
Lymph Node	Mesenteric	Granuloma	Mild
Nose		Metaplasia	Squamous, Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Marked
Prostate		Inflammation	Chronic, Mild
Salivary Glands		Karyomegaly	Minimal
Seminal Vesicle		Dilatation	Marked
Note: DILATATION TGLs = 2-6			
Spleen		Leukemia Mononuclear	Mild
Stomach	Glandular	Inflammation	Chronic, Mild
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:35

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

**Lab:** TSI MASON

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**ANIMAL ID:** 193

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 0.6% HM

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: ATROPHY      TGLs = 4-6

Note: ADENOMA      TGLs = 3-6

Thyroid Gland

Follicle

Cyst

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 194

TRT#: 4

SEX: Male

DAY ON TEST: 719

DOSE: 0.6% HM

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic
Pituitary Gland	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	

MISSING

Mammary Gland

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Small - Ileum	Urinary Bladder
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INSUFFICIENT TISSUE

Parathyroid Gland

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney	Cortex	Necrosis	Focal, Moderate
		Nephropathy	Moderate
Liver		Fatty Change	Minimal
Lung		Congestion	Mild
	Peribronchial	Inflammation	Chronic, Mild
Note: CONGESTION	TGLs = 6-1+2		
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Marked
Note: INFILTRAT CELL	TGLs = 4-9		
Nose		Hemorrhage	Marked
		Inflammation	Acute, Marked
		Parasite Metazoan	Marked
Note: PARASITE META	TGLs = 2-12		
Pancreas	Acinus	Atrophy	Focal, Mild
Preputial Gland		Inflammation	Chronic, Mild
Prostate		Inflammation	Chronic, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 194	<b>TRT#:</b> 4 <b>DOSE:</b> 0.6% HM	<b>SEX:</b> Male <b>DISP:</b> Dead	<b>DAY ON TEST:</b> 719 <b>HISTO:</b>
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<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Marked
Spleen		Pigmentation	Hemosiderin, Mild
Note: PIGMENT	TGLs = 7-3		
Testes		Bilateral, Interstit Cell	Adenoma
Note: ADENOMA	TGLs = 5-6		

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<b>PRIMARY CAUSE OF DEATH</b>	-
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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 195

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 0.6% HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver		Congestion	Minimal
	Bile Duct	Hyperplasia	Minimal
Note: CONGESTION TGLs = 3-3			
Lung		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC TGLs = 4-1			
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Nose		Metaplasia	Squamous, Mild
Pancreas	Acinus	Atrophy	Focal, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 5-8			
Preputial Gland		Inflammation	Chronic, Minimal
Prostate		Inflammation	Chronic, Mild
Salivary Glands		Karyomegaly	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
		Hypospermia	
Note: ADENOMA TGLs = 1-6,2-6			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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**ANIMAL ID:** 195

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 0.6% HM

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 196

TRT#: 4

SEX: Male

DAY ON TEST: 718

DOSE: 0.6% HM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Epididymis	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Nose
Pancreas	Preputial Gland	Skin	Stomach - Forestomach
Stomach - Glandular	Testes	Trachea	Urinary Bladder

MISSING

Adrenal Gland - Medulla	Thymus
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OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Brain		Hydrocephalus	Mild
Intestine Large	Rectum	Parasite Metazoan	Marked
Kidney	Renal Tubule	Hyperplasia	Mild
		Nephropathy	Marked
Note: NEPHROPATHY	TGLs = 5-4+4.1,6-4+4.1		
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC	TGLs = 4-3		
Lung		Leukemia Mononuclear	Moderate
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Marked
Mammary Gland		Ectasia	Moderate
Mesentery		Edema	Moderate
Note: EDEMA	TGLs = 8-13		
Parathyroid Gland		Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 7-8		
Prostate		Inflammation	Chronic, Mild
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Marked
Spleen		Fibrosis	Focal, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 196	<b>TRT#:</b> 4 <b>DOSE:</b> 0.6% HM	<b>SEX:</b> Male <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 718 <b>HISTO:</b>
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Note: FIBROSIS Thyroid Gland	TGLs = 3-3 C Cell	Leukemia Mononuclear Adenoma	Moderate
<b>PRIMARY CAUSE OF DEATH</b>	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 197

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 0.6% HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood	Bone	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Pituitary Gland	Preputial Gland	Skin	Stomach - Forestomach
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Bone Marrow		Myelofibrosis	Moderate
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Adenoma	
Kidney	Renal Tubule	Adenoma	
		Nephropathy	Marked
Note: NEPHROPATHY TGLs = 4-4			
Note: [ ADENOMA ] TGLs = 5			
Liver	Bile Duct	Hyperplasia	Mild
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
Parathyroid Gland		Hyperplasia	Marked
Prostate		Atrophy	Moderate
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Moderate
Spleen		Hematopoietic Cell Proliferation	Mild
Stomach	Glandular	Mineralization	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 3-6			
Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 198

TRT#: 4

DOSE: 0.6% HM

SEX: Male

DISP: Moribund

DAY ON TEST: 695

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

Adrenal Gland - Medulla  
Heart  
Intestine Small - Duodenum  
Pancreas  
Stomach - Glandular

Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Parathyroid Gland  
Thymus

Epididymis  
Intestine Large - Colon  
Intestine Small - Jejunum  
Pituitary Gland  
Thyroid Gland

MISSING

Lymph Node - Mandibular

Preputial Gland

OBSERVATIONS

Bone  
Note: OSTEOMA TGLs = 11-5.1

Bone Marrow  
Kidney

Note: HAMARTOMA TGLs = 10-4.1  
Liver

Note: ANOM HEPAT LOB TGLs = 9-3  
Note: LEUKEMIA MONUC TGLs = 8-3

Lung  
Note: LEUKEMIA MONUC TGLs = 5-1+2

Lymph Node  
Note: LEUKEMIA MONUC TGLs = 4-2

Mammary Gland  
Note: FIBROADENOMA TGLs = 3-14

Nose

Osteoma

Hyperplasia  
Fibrosis  
Hamartoma  
Nephropathy

Hepatodiaphragmatic Nodule  
Hyperplasia  
Leukemia Mononuclear

Inflammation  
Leukemia Mononuclear

Granuloma  
Leukemia Mononuclear

Fibroadenoma

Inflammation

Moderate  
Focal, Mild  
Mild

Moderate  
Moderate

Chronic, Mild  
Moderate

Mild  
Moderate

Chronic, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

**ANIMAL ID:** 198

**TRT#:** 4

**DOSE:** 0.6% HM

**SEX:** Male

**DISP:** Moribund

**DAY ON TEST:** 695

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Prostate		Inflammation	Chronic, Mild
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Moderate
Skin		Keratoacanthoma	
Note: KERATOACANTHMA	TGLs = 1-13		
Spleen		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC	TGLs = 6-3.1,7-3.1		
Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Moderate
Note: ADENOMA	TGLs = 12-6		
Urinary Bladder		Leukemia Mononuclear	Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 199

TRT#: 4

SEX: Male

DAY ON TEST: 701

DOSE: 0.6% HM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mammary Gland	Pancreas	Preputial Gland	Prostate
Skin	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Adrenal Gland - Medulla	Parathyroid Gland
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OBSERVATIONS

Bone Marrow		Myelofibrosis	Moderate
Eye	Retrobulbar Antr Chamber	Hemorrhage Inflammation	Moderate Acute, Marked
Note: INFLAMMATION TGLs = 3-13			
Harderian Gland		Pigmentation	Moderate
Note: PIGMENT TGLs = 2-13			
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia Leukemia Mononuclear	Mild Moderate
Note: LEUKEMIA MONUC TGLs = 5-3			
Lung		Leukemia Mononuclear	Moderate
Lymph Node	Mandibular Mesenteric	Leukemia Mononuclear Leukemia Mononuclear	Moderate Moderate
Note: LEUKEMIA MONUC TGLs = 4			
Nose		Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 6-8			
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Moderate
Spleen		Leukemia Mononuclear	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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**ANIMAL ID:** 199

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 701

**DOSE:** 0.6% HM

**DISP:** Moribund

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 200

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 0.6% HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney	Transit Epithe	Hyperplasia	Focal, Moderate
		Nephropathy	Moderate
Note: NEPHROPATHY TGLs = 6-4			
Lymph Node	Lymphatic, Mandibular	Angiectasis	Marked
Note: ANGIECTASIS TGLs = 1-9			
Nose		Metaplasia	Squamous, Mild
Pancreas	Acinus	Atrophy	Focal, Minimal
	Acinus	Carcinoma	
Note: [ CARCINOMA ] TGLs = 3-9.1			
Preputial Gland		Inflammation	Chronic, Mild
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Marked
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
Note: ADENOMA TGLs = 2-6			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 202

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 0.6% HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood	Bone	Bone Marrow
Brain	Ear	Epididymis	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Parathyroid Gland	Prostate	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Lymph Node - Mandibular	Mammary Gland	Thymus	
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OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Kidney		Nephropathy	Moderate
Note: [ NEPHROPATHY ] TGLs = 6-4,7-4			
Liver	Bile Duct	Hyperplasia	Minimal
Lymph Node	Mesenteric	Granuloma	Mild
Nose		Metaplasia	Squamous, Mild
Pancreas	Acinus	Adenoma	
Note: [ ADENOMA ] TGLs = 5-9			
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Chronic, Mild
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Moderate
Note: ATROPHY TGLs = 2-6			
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Hypospermia	Moderate
Note: ADENOMA TGLs = 3-6,4-6			
Zymbal's Gland		Carcinoma	
Note: CARCINOMA TGLs = 1-13,8-13			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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**ANIMAL ID:** 202

**TRT#:** 4

**DOSE:** 0.6% HM

**SEX:** Male

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 729

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 204

TRT#: 4

DOSE: 0.6% HM

SEX: Male

DISP: Moribund

DAY ON TEST: 643

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Pancreas	Parathyroid Gland	Preputial Gland	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Epididymis		Degeneration	Focal, Moderate
Note: DEGEN TGLs = 4-6			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Marked
Note: NEPHROPATHY TGLs = 5-4,6-4			
Liver		Eosinophilic Focus	Moderate
	Bile Duct	Hyperplasia	Mild
Lung	Interstitialium	Inflammation	Chronic, Moderate
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Marked
Mammary Gland		Ectasia	Moderate
Note: ECTASIA TGLs = 3-10			
Nose		Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 7-8			
Prostate		Inflammation	Acute, Mild
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Marked
Skin		Hyperkeratosis	Marked
Note: HYPERKERATOSIS TGLs = 2-13			
Spleen		Hematopoietic Cell Proliferation	Mild
Stomach	Forestomach	Acanthosis	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 204	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 643
	<b>DOSE:</b> 0.6% HM	<b>DISP:</b> Moribund	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ ACANTHOSIS ] TGLs = 8-7			
Testes	Interstit Cell	Hyperplasia	Mild
<b>PRIMARY CAUSE OF DEATH</b>	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 205

TRT#: 4

SEX: Male

DAY ON TEST: 577

DOSE: 0.6% HM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Ear	Epididymis
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Islets, Pancreatic
Mammary Gland	Pancreas	Parathyroid Gland	Prostate
Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Mild
Bone Marrow		Hyperplasia	Moderate
Brain		Hydrocephalus	Mild
Eye	Lens	Degeneration	Mild
	Retina	Degeneration	Moderate
Note: DEGEN TGLs = 1-15			
Intestine Small	Jejunum	Ulcer	Marked
Note: ULCER TGLs = 6-7			
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Moderate
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Lymphatic, Mesenteric	Angiectasis	Marked
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
Note: ANGIECTASIS TGLs = 5-8			
Nose		Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 4-8			
Preputial Gland		Inflammation	Chronic, Minimal
Salivary Glands		Karyomegaly	Mild
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC TGLs = 3-13			
Spleen		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 206

TRT#: 4

SEX: Male

DAY ON TEST: 704

DOSE: 0.6% HM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Epididymis
Esophagus	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland	Pancreas
Parathyroid Gland	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Brain	Intestine Large - Rectum	Nose	Pituitary Gland
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OBSERVATIONS

Adrenal Gland Note: PHEOCHROM BGN TGLs = 3-8	Bilateral, Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Intestine Large	Cecum	Parasite Metazoan	Moderate
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	Moderate
Lung		Leukemia Mononuclear	Moderate
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Marked
	Mesenteric	Leukemia Mononuclear	Moderate
Preputial Gland		Inflammation	Chronic, Minimal
Prostate		Atrophy	Marked
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Marked
Spleen		Leukemia Mononuclear	Moderate
Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma	
		Atrophy	Marked
Note: ADENOMA TGLs = 2-6			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 207

TRT#: 4

SEX: Male

DAY ON TEST: 731

DOSE: 0.6% HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Eye
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Pancreas	Parathyroid Gland
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Harderian Gland		Pigmentation	Mild
Heart		Cardiomyopathy	Mild
Intestine Large	Rectum	Parasite Metazoan	Moderate
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Mild
Lung	Peribronchial	Inflammation	Chronic, Minimal
Lymph Node	Lymphatic, Mandibular	Angiectasis	Moderate
	Mesenteric	Granuloma	Mild
Nose		Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Preputial Gland		Inflammation	Chronic, Minimal
Prostate		Atrophy	Moderate
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Moderate
Skin		Squamous Cell Papilloma	
Note: [ PAPILLOMA SQUA ] TGLs = 2-13			
Spleen		Pigmentation	Hemosiderin, Mild
Stomach	Forestomach	Hyperplasia	Basal Cell, Minimal
Testes	Interstitial Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate

Note: ADENOMA TGLs = 3-6

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 207	<b>TRT#:</b> 4 <b>DOSE:</b> 0.6% HM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 731 <b>HISTO:</b>
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Thyroid Gland	C Cell	Hyperplasia	Mild
<b>PRIMARY CAUSE OF DEATH</b>	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 208

TRT#: 4

SEX: Male

DAY ON TEST: 669

DOSE: 0.6% HM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Bone

Bone Marrow

Epididymis

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Nose

Pancreas

Parathyroid Gland

Preputial Gland

Skin

Stomach - Glandular

Thymus

Trachea

Urinary Bladder

OBSERVATIONS

Adrenal Gland

Medulla

Hyperplasia

Minimal

Medulla

Pheochromocytoma Malignant

Note: PHEOCHROM MAL TGLs = 5-8

Brain

Hydrocephalus

Minimal

Harderian Gland

Pigmentation

Mild

Note: PIGMENT TGLs = 2-13

Heart

Cardiomyopathy

Moderate

Kidney

Nephropathy

Moderate

Liver

Clear Cell Focus

Fatty Change

Moderate

Note: CLEAR CL FOCUS TGLs = 4-3

Lung

Pheochromocytoma Malignant

Metastatic (Adrenal Gland)

Lymph Node

Mesenteric

Congestion

Moderate

Mandibular

Infiltration Cellular

Plasma Cell, Mild

Mammary Gland

Ectasia

Marked

Pituitary Gland

Pars Distalis

Adenoma

Note: ADENOMA TGLs = 6-8

Prostate

Atrophy

Moderate

Salivary Glands

Karyomegaly

Mild

Seminal Vesicle

Atrophy

Moderate

Spleen

Pigmentation

Hemosiderin, Moderate

Stomach

Forestomach

Ulcer

Marked

Note: ULCER TGLs = 7-7+7.1

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 208	<b>TRT#:</b> 4 <b>DOSE:</b> 0.6% HM	<b>SEX:</b> Male <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 669 <b>HISTO:</b>
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Testes	Interstit Cell Seminif Tub	Hyperplasia Hypospermia	Mild Moderate
Thyroid Gland	C Cell	Hyperplasia	Moderate
<b>PRIMARY CAUSE OF DEATH</b>	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 209

TRT#: 4

SEX: Male

DAY ON TEST: 731

DOSE: 0.6% HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Blood		Leukemia Mononuclear	Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Mild
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mandibular	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Marked
Pancreas	Acinus	Atrophy	Focal, Mild
Preputial Gland		Inflammation	Acute, Mild
Prostate		Hyperplasia	Focal, Mild
		Inflammation	Chronic, Marked
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Marked
Spleen		Leukemia Mononuclear	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked

Note: ADENOMA TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 210

TRT#: 4

SEX: Male

DAY ON TEST: 579

DOSE: 0.6% HM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Bone Marrow		Hyperplasia	Moderate
Kidney		Nephropathy	Mild
	Renal Tubule	Pigmentation	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC TGLs = 4-3			
Lung		Leukemia Mononuclear	Moderate
Lymph Node	Lymphatic, Mesenteric	Angiectasis	Marked
	Mesenteric	Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC TGLs = 5-8			
Nose		Metaplasia	Squamous, Mild
Pancreas	Acinus	Atrophy	Focal, Moderate
Salivary Glands		Karyomegaly	Mild
Spleen		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC TGLs = 3-3			
Testes	Interstitial Cell	Adenoma	
Note: ADENOMA TGLs = 6			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 211

TRT#: 4

SEX: Male

DAY ON TEST: 723

DOSE: 0.6% HM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Nose	Pancreas	Seminal Vesicle	Skin
Spinal Cord	Spleen	Stomach - Glandular	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney	Renal Tubule	Cyst	
	Renal Tubule	Hyperplasia	Moderate
Liver		Nephropathy	Marked
		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
Lymph Node	Lymphatic, Mediastinal	Angiectasis	Moderate
	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
	Mediastinal	Infiltration Cellular	Plasma Cell, Mild
Note: ANGIECTASIS	TGLs = 8-2		
Mammary Gland		Ectasia	Mild
Note: ECTASIA	TGLs = 5-10		
Parathyroid Gland		Hyperplasia	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 9-8		
Preputial Gland		Adenoma	
Note: [ ADENOMA ]	TGLs = 4-10.1		
Prostate		Inflammation	Acute, Moderate
Note: INFLAMMATION	TGLs = 7-6		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 211	<b>TRT#:</b> 4 <b>DOSE:</b> 0.6% HM	<b>SEX:</b> Male <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 723 <b>HISTO:</b>
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<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Salivary Glands		Karyomegaly	Minimal
Stomach	Forestomach	Inflammation	Chronic, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 6-6		
Thyroid Gland	C Cell	Hyperplasia	Mild

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<b>PRIMARY CAUSE OF DEATH</b>	-
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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 212

TRT#: 4

SEX: Male

DAY ON TEST: 731

DOSE: 0.6% HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Moderate
Intestine Large	Cecum	Parasite Metazoan	Moderate
	Colon	Parasite Metazoan	Mild
Kidney	Renal Tubule	Adenoma	
	Transit Epithe	Hyperplasia	Mild
		Nephropathy	Moderate
Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
Note: ANOM HEPAT LOB TGLs = 3-3			
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Marked
Pancreas	Acinus	Atrophy	Focal, Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Preputial Gland		Inflammation	Chronic, Minimal
Salivary Glands		Karyomegaly	Mild
Spleen		Fibrosis	Focal, Moderate
Note: [ FIBROSIS ] TGLs = 2-3			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
Note: ADENOMA TGLs = 1-6			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 213

TRT#: 4

SEX: Male

DAY ON TEST: 644

DOSE: 0.6% HM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland
Pancreas	Pituitary Gland	Preputial Gland	Skin
Spleen	Stomach - Forestomach	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Moderate
	Medulla	Pheochromocytoma Benign	
Bone Marrow		Myelofibrosis	Mild
Heart		Cardiomyopathy	Moderate
Kidney		Mineralization	Focal, Moderate
		Nephropathy	Marked
Note: NEPHROPATHY	TGLs = 7-4,8-4		
Liver	Bile Duct	Hyperplasia	Minimal
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Hyperplasia	Lymphoid, Marked
Note: HYPERPLASIA	TGLs = 4-9		
Nose		Metaplasia	Squamous, Mild
Parathyroid Gland		Hyperplasia	Marked
Note: HYPERPLASIA	TGLs = 9-8		
Prostate		Inflammation	Acute, Minimal
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Marked
Stomach	Glandular	Mineralization	Mild
Note: MINERALIZATION	TGLs = 10-7		
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 5-6,6-6		
Thyroid Gland	C Cell	Hyperplasia	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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**ANIMAL ID:** 213

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 644

**DOSE:** 0.6% HM

**DISP:** Moribund

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 214

TRT#: 4

SEX: Male

DAY ON TEST: 654

DOSE: 0.6% HM

DISP: Moribund

HISTO:

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	Nose	Pancreas	Parathyroid Gland
Preputial Gland	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Pituitary Gland
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OBSERVATIONS

Adrenal Gland	Cortex Bilateral, Medulla	Atrophy Pheochromocytoma Benign	Moderate
Note: ATROPHY TGLs = 3-8			
Heart	Atrium	Cardiomyopathy Thrombosis	Mild
Note: THROMBUS TGLs = 5-2.1			
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
Lymph Node	Mesenteric Mandibular	Granuloma Infiltration Cellular Inflammation	Mild Plasma Cell, Marked Acute, Moderate
Prostate			
Note: INFLAMMATION TGLs = 6-6			
Salivary Glands		Karyomegaly	Mild
Spleen		Pigmentation	Hemosiderin, Mild
Testes	Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2-6			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 215

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 0.6% HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Adrenal Gland - Medulla

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Note: NEPHROPATHY	TGLs = 4-4		
Liver	Bile Duct	Hyperplasia	Mild
Lung	Alveolar Epith	Metaplasia	Mild
Note: METAPL	TGLs = 6-1.1		
Lymph Node	Lymphatic, Mesenteric	Angiectasis	Moderate
Nose		Metaplasia	Squamous, Mild
Pancreas	Acinus	Atrophy	Focal, Minimal
Parathyroid Gland		Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Adenoma	
Note: ADENOMA	TGLs = 1-10		
Salivary Glands		Karyomegaly	Mild
Spleen		Fibrosis	Focal, Marked
Note: [ FIBROSIS ]	TGLs = 3-3		
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
Note: ADENOMA	TGLs = 2-6		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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**ANIMAL ID:** 215

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 0.6% HM

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 216

TRT#: 4

SEX: Male

DAY ON TEST: 731

DOSE: 0.6% HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Mild
Kidney	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Marked
Note: NEPHROPATHY	TGLs = 3-4		
Liver	Bile Duct	Hyperplasia	Minimal
Nose		Metaplasia	Squamous, Mild
Pancreas	Acinus	Atrophy	Focal, Mild
Parathyroid Gland		Hyperplasia	Mild
Preputial Gland		Abscess	Moderate
		Carcinoma	
Note: CARCINOMA	TGLs = 1-10.1		
Prostate		Atrophy	Moderate
Salivary Glands		Karyomegaly	Minimal
Seminal Vesicle		Atrophy	Marked
Note: ATROPHY	TGLs = 4-6		
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
Note: ADENOMA	TGLs = 2-6+6.1		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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**ANIMAL ID:** 216

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 0.6% HM

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 217

TRT#: 4

SEX: Male

DAY ON TEST: 564

DOSE: 0.6% HM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Moderate
Note: CARDIOMYOPATHY TGLs = 4-2			
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Inguinal	Infiltration Cellular	Plasma Cell, Marked
Note: INFILTRAT CELL TGLs = 2-10			
Pancreas	Acinus	Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Carcinoma	
Note: CARCINOMA TGLs = 1-10.1			
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Mild
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
Note: ADENOMA TGLs = 5-6			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 218

TRT#: 4

SEX: Male

DAY ON TEST: 305

DOSE: 0.6% HM

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Islets, Pancreatic	Liver	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea

MISSING

Parathyroid Gland	Preputial Gland
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AUTO PRECLUDES DIAG.

Intestine Small - Ileum	Intestine Small - Jejunum	Urinary Bladder
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OBSERVATIONS

Brain		Glioma Malignant	
Heart		Cardiomyopathy	Minimal
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Congestion	Moderate
Note: CONGESTION	TGLs = 5-4		
Lung		Congestion	Mild
	Peribronchial	Inflammation	Chronic, Mild
Note: CONGESTION	TGLs = 1-1		
Lymph Node	Mesenteric	Congestion	Mild
Note: CONGESTION	TGLs = 3-9		
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Spleen		Pigmentation	Hemosiderin, Mild
Thymus		Congestion	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 219

TRT#: 4

SEX: Male

DAY ON TEST: 613

DOSE: 0.6% HM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	Marked
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Marked
		Leukemia Mononuclear	Marked
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	Marked
Lung		Leukemia Mononuclear	Marked
	Alveolar Epith	Metaplasia	Mild
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Mild
	Mandibular	Leukemia Mononuclear	Marked
	Mediastinal	Leukemia Mononuclear	Marked
	Mesenteric	Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC TGLs = 3-2			
Nose		Inflammation	Chronic, Mild
		Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Chronic, Mild
Salivary Glands		Karyomegaly	Mild
Spleen		Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC TGLs = 4-3.1			
Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 220

TRT#: 4

SEX: Male

DAY ON TEST: 577

DOSE: 0.6% HM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	Esophagus	Eye	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Ileum	Islets, Pancreatic	Mammary Gland
Nose	Parathyroid Gland	Prostate	Skin
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Harderian Gland		Pigmentation	Moderate
Note: PIGMENT	TGLs = 1-13		
Heart		Cardiomyopathy	Mild
Intestine Large	Cecum	Leukemia Mononuclear	Marked
Intestine Small	Duodenum	Leukemia Mononuclear	Marked
	Jejunum	Leukemia Mononuclear	Marked
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC	TGLs = 6-3		
Lung		Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC	TGLs = 3-1+2		
Lymph Node	Mandibular	Leukemia Mononuclear	Marked
	Mesenteric	Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC	TGLs = 7-8		
Pancreas		Leukemia Mononuclear	Marked
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Focal, Moderate
Preputial Gland		Abscess	Mild
		Adenoma	
		Leukemia Mononuclear	Marked
Note: ABSCESS	TGLs = 2-10		
Note: LEUKEMIA MONUC	TGLs = 2-10		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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**ANIMAL ID:** 220

**TRT#:** 4

**DOSE:** 0.6% HM

**SEX:** Male

**DISP:** Moribund

**DAY ON TEST:** 577

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Salivary Glands

Karyomegaly

Mild

Seminal Vesicle

Leukemia Mononuclear

Marked

Note: LEUKEMIA MONUC TGLs = 4-6

Spleen

Leukemia Mononuclear

Marked

Note: LEUKEMIA MONUC TGLs = 5-3

Stomach

Forestomach

Leukemia Mononuclear

Marked

Testes

Bilateral, Interstit Cell

Adenoma

Thymus

Leukemia Mononuclear

Marked

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 221

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 0.6% HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Epididymis
Esophagus	Eye	Intestine Large - Cecum	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mammary Gland	Parathyroid Gland	Pituitary Gland	Skin
Stomach - Forestomach	Stomach - Glandular	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Blood		Leukemia Mononuclear	Marked
Bone Marrow		Hyperplasia	Moderate
Harderian Gland		Pigmentation	Mild
Note: PIGMENT TGLs = 1-13			
Heart		Cardiomyopathy	Moderate
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney	Renal Tubule	Cyst	
		Nephropathy	Marked
Note: CYST TGLs = 10			
Note: NEPHROPATHY TGLs = 7-4,10			
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC TGLs = 8-3			
Lung		Leukemia Mononuclear	Marked
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
	Mandibular	Leukemia Mononuclear	Marked
	Mesenteric	Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC TGLs = 9-9			
Nose		Inflammation	Chronic, Mild
		Metaplasia	Squamous, Moderate
Pancreas	Acinus	Atrophy	Focal, Mild
Preputial Gland		Inflammation	Chronic, Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

**ANIMAL ID:** 221

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 0.6% HM

**DISP:** Terminal Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Prostate		Atrophy	Marked
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Marked
Spleen		Fibrosis	Focal, Moderate
		Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC	TGLs = 5-3.1		
Note: FIBROSIS	TGLs = 6-3.1		
Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Moderate
Note: ADENOMA	TGLs = 3-6,4-6		
Thymus		Leukemia Mononuclear	Marked
Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 222

TRT#: 4

SEX: Male

DAY ON TEST: 533

DOSE: 0.6% HM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Moderate
Bone Marrow		Hyperplasia	Moderate
Kidney		Nephropathy	Minimal
Note: NEPHROPATHY TGLs = 6-4			
Liver	Bile Duct	Hyperplasia	Moderate
		Necrosis	Focal, Minimal
Lymph Node	Lumbar	Infiltration Cellular	Plasma Cell, Marked
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
	Renal	Infiltration Cellular	Plasma Cell, Marked
Note: INFILTRAT CELL TGLs = 8-16			
Note: INFILTRAT CELL TGLs = 7-15			
Nose		Inflammation	Chronic, Minimal
		Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Preputial Gland		Carcinoma	
Note: CARCINOMA TGLs = 4-14			
Prostate		Abscess	Marked
Salivary Glands		Karyomegaly	Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: [ HEMA CELL PROL ] TGLs = 5-3			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 222	<b>TRT#:</b> 4 <b>DOSE:</b> 0.6% HM	<b>SEX:</b> Male <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 533 <b>HISTO:</b>
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Testes	Interstit Cell	Adenoma	
Thyroid Gland	C Cell	Adenoma	
<b>PRIMARY CAUSE OF DEATH</b>	-		

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 223

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 0.6% HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Adrenal Gland - Medulla	Lymph Node - Mandibular	Thymus
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OBSERVATIONS

Kidney Note: NEPHROPATHY TGLs = 3-4		Nephropathy	Moderate
Liver Note: CLEAR CL FOCUS TGLs = 6-3		Clear Cell Focus Hyperplasia	Mild
Lung Mammary Gland Note: HYPERTROPHY TGLs = 7-10	Bile Duct Peribronchial	Inflammation Hypertrophy	Chronic, Minimal Mild
Nose Pancreas Pituitary Gland Note: ADENOMA TGLs = 4-8	Acinus Pars Distalis	Inflammation Atrophy Adenoma	Chronic, Mild Focal, Minimal
Salivary Glands Seminal Vesicle Note: ATROPHY TGLs = 5-6		Karyomegaly Atrophy	Mild Marked
Spleen Note: [ FIBROSIS ] TGLs = 2-3		Fibrosis Hematopoietic Cell Proliferation	Focal, Mild Mild
Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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**ANIMAL ID:** 223

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 0.6% HM

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: ADENOMA      TGLs = 1-6

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 224

TRT#: 4

SEX: Male

DAY ON TEST: 586

DOSE: 0.6% HM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Mild
Lung	Pleura	Inflammation	Chronic, Focal, Mild
Note: INFLAMMATION TGLs = 4-1			
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Marked
Note: INFILTRAT CELL TGLs = 3-9			
Nose		Inflammation	Chronic, Mild
		Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
Prostate		Atrophy	Mild
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Marked
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Hypospermia	Moderate
Note: ADENOMA TGLs = 5-6,6-6			
Zymbal's Gland		Carcinoma	
Note: CARCINOMA TGLs = 1-13			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 225

TRT#: 4

SEX: Male

DAY ON TEST: 442

DOSE: 0.6% HM

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic
Mammary Gland	Nose	Parathyroid Gland	Prostate
Stomach - Forestomach	Trachea		

MISSING

Preputial Gland

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Small - Ileum	Urinary Bladder
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OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 11-8			
Bone Marrow		Hyperplasia	Mild
Heart		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 6-2			
Intestine Large	Colon	Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
Note: NEPHROPATHY TGLs = 14-4			
Note: [ LEUKEMIA MONUC ] TGLs = 13-4			
Liver		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 5-1,19-1			
Lymph Node	Axillary	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 15-10			
Note: [ LEUKEMIA MONUC ] TGLs = 4-2			

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 225

TRT#: 4

SEX: Male

DAY ON TEST: 442

DOSE: 0.6% HM

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [ LEUKEMIA MONUC ] TGLs = 3-2

Note: [ LEUKEMIA MONUC ] TGLs = 9-8

Pancreas

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 12-9

Penis

Concretion

Moderate

Note: CONCRETION TGLs = 2-13

Pituitary Gland

Pars Nervosa

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 16-8

Salivary Glands

Leukemia Mononuclear

Seminal Vesicle

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 7-6

Skin

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 1-13

Spleen

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 8-3

Stomach

Glandular

Leukemia Mononuclear

Testes

Interstit Cell

Adenoma

Thymus

Leukemia Mononuclear

Thyroid Gland

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 18-8

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 226

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 0.6% HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland
Pituitary Gland	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Blood		Leukemia Mononuclear	Moderate
Ear		Squamous Cell Papilloma	
Note: PAPILOMA SQUA	TGLs = 2-13,9-13		
Kidney		Nephropathy	Marked
Note: NEPHROPATHY	TGLs = 5-4,6-4		
Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Focal, Mild
		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC	TGLs = 7-3		
Note: ANOM HEPAT LOB	TGLs = 8-3.1		
Lung		Leukemia Mononuclear	Moderate
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
	Mandibular	Leukemia Mononuclear	Moderate
	Mesenteric	Leukemia Mononuclear	Moderate
Nose		Metaplasia	Squamous, Mild
Pancreas	Acinus	Atrophy	Focal, Minimal
Parathyroid Gland		Hyperplasia	Mild
Preputial Gland		Inflammation	Chronic, Mild
Prostate		Hyperplasia	Focal, Moderate
		Inflammation	Chronic, Minimal
Salivary Glands		Karyomegaly	Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 226

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 0.6% HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen		Fibrosis	Focal, Mild
		Leukemia Mononuclear	Moderate
Note: [ FIBROSIS ] TGLs = 4-3			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
Note: ADENOMA TGLs = 3-6			
Thyroid Gland	Follicular Cel	Carcinoma	
	C Cell	Hyperplasia	Mild
Note: CARCINOMA TGLs = 1-8			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 228

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 0.6% HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Blood		Leukemia Mononuclear	Moderate
Bone Marrow		Hyperplasia	Mild
Intestine Large	Rectum	Parasite Metazoan	Marked
Kidney		Nephropathy	Mild
Note: NEPHROPATHY TGLs = 6-4			
Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC TGLs = 7-3			
Lung		Alveolar/Bronchiolar Adenoma	
		Leukemia Mononuclear	Moderate
Note: ALV BRON ADEN TGLs = 8-1			
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Leukemia Mononuclear	Moderate
	Mesenteric	Leukemia Mononuclear	Moderate
Pancreas	Acinus	Atrophy	Focal, Minimal
		Ectopic Tissue	
Note: STOMACH NODULE OBSERVED AT WET TISSUE AUDIT WAS			
Note: ECT TISSUE TGLs = 9-7.1			
Note: ECTOPIC TISSUE.			
Pituitary Gland	Pars Distalis	Cyst	
Preputial Gland		Adenoma	
Note: ADENOMA TGLs = 1-10			

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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**ANIMAL ID:** 228

**TRT#:** 4

**DOSE:** 0.6% HM

**SEX:** Male

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 730

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Prostate		Atrophy	Marked
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Marked
Skeletal Muscle		Hemangiosarcoma	
Note: HEMANGIOSARC	TGLs = 2-13		
Spleen		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC	TGLs = 5-3		
Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Moderate
Note: ADENOMA	TGLs = 3-6,4-6		

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 229

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 0.6% HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

INSUFFICIENT TISSUE

Blood

OBSERVATIONS

Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite Metazoan	Marked
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Focal, Mild
		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC	TGLs = 4-3		
Lung		Leukemia Mononuclear	Moderate
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Leukemia Mononuclear	Moderate
	Mesenteric	Leukemia Mononuclear	Moderate
Pancreas	Acinus	Atrophy	Focal, Marked
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 5-8		
Preputial Gland		Carcinoma	
Note: CARCINOMA	TGLs = 1-10+10.1		
Salivary Glands		Karyomegaly	Mild
Spleen		Leukemia Mononuclear	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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**ANIMAL ID:** 229

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 0.6% HM

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Note: LEUKEMIA MONUC TGLs = 3-3.1

Testes

Bilateral, Interstit Cell

Adenoma

Seminif Tub

Atrophy

Moderate

Note: ADENOMA TGLs = 2-6

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 230

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 0.6% HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Blood

Bone

Epididymis

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Mammary Gland

Pancreas

Parathyroid Gland

Skin

Stomach - Forestomach

Stomach - Glandular

Thymus

Trachea

Urinary Bladder

OBSERVATIONS

Bone Marrow

Hyperplasia

Mild

Brain

Granular Cell Tumor Nos

Heart

Cardiomyopathy

Moderate

Intestine Large

Rectum

Parasite Metazoan

Moderate

Kidney

Nephropathy

Moderate

Liver

Bile Duct

Hyperplasia

Minimal

Lung

Peribronchial

Inflammation

Chronic, Mild

Lymph Node

Lymphatic, Mandibular

Angiectasis

Marked

Mesenteric

Granuloma

Mild

Note: ANGIECTASIS TGLs = 2-9

Nose

Fungus

Inflammation

Acute, Marked

Metaplasia

Squamous, Moderate

Note: FUNGUS TGLs = 4-12,5-12

Pituitary Gland

Pars Distalis

Adenoma

Preputial Gland

Ectasia

Moderate

Inflammation

Chronic, Mild

Note: ECTASIA TGLs = 1-10

Prostate

Atrophy

Moderate

Salivary Glands

Karyomegaly

Mild

Seminal Vesicle

Atrophy

Marked

Spleen

Hematopoietic Cell Proliferation

Mild

Testes

Bilateral, Interstit Cell

Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 230	<b>TRT#:</b> 4 <b>DOSE:</b> 0.6% HM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 730 <b>HISTO:</b>
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Thyroid Gland	Seminif Tub C Cell	Atrophy Hyperplasia	Moderate Moderate
<b>PRIMARY CAUSE OF DEATH</b>	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 233

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 0.6% HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Blood		Leukemia Mononuclear	Moderate
Bone Marrow		Hyperplasia	Moderate
Kidney	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC	TGLs = 6-3		
Lung		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC	TGLs = 2-1+2		
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Mild
	Mandibular	Leukemia Mononuclear	Moderate
	Mesenteric	Leukemia Mononuclear	Moderate
Pancreas	Acinus	Atrophy	Focal, Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Prostate		Atrophy	Marked
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Marked
Spleen		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC	TGLs = 5-3.1		
Stomach	Forestomach	Acanthosis	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 233	<b>TRT#:</b> 4 <b>DOSE:</b> 0.6% HM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 730 <b>HISTO:</b>
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Note: BULLA Testes	TGLs = 7-7.1	Forestomach Bilateral, Interstit Cell Seminif Tub	Bulla Adenoma Atrophy Marked Moderate
Note: ADENOMA	TGLs = 3-6,4-6		
<b>PRIMARY CAUSE OF DEATH</b>	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 235

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 0.6% HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood	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	Lung
Lymph Node - Mesenteric	Mammary Gland	Parathyroid Gland	Pituitary Gland
Preputial Gland	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Harderian Gland		Pigmentation	Mild
Note: PIGMENT	TGLs = 1-13		
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Nose		Inflammation	Chronic, Mild
		Metaplasia	Squamous, Mild
Pancreas	Acinus	Atrophy	Focal, Marked
Prostate		Atrophy	Marked
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Marked
Note: ATROPHY	TGLs = 6-6		
Skin		Basal Cell Carcinoma	
Note: BASAL CEL CARC	TGLs = 2-13		
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
Note: ADENOMA	TGLs = 4-6,5-6		
Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 236

TRT#: 4

SEX: Male

DAY ON TEST: 606

DOSE: 0.6% HM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Skin
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OBSERVATIONS

Heart		Cardiomyopathy	Moderate
		Cardiomyopathy	Moderate
Kidney		Nephropathy	Marked
		Nephropathy	Marked
Liver		Fatty Change	Minimal
		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
	Bile Duct	Hyperplasia	Mild
Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Adenoma	
	Alveolus	Inflammation	Acute, Focal, Marked
	Alveolus	Inflammation	Acute, Focal, Marked
Salivary Glands		Karyomegaly	Mild
		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Marked
		Atrophy	Marked
Spleen		Hematopoietic Cell Proliferation	Mild
		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 236

TRT#: 4

SEX: Male

DAY ON TEST: 606

DOSE: 0.6% HM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Seminif Tub

Atrophy

Moderate

Seminif Tub

Atrophy

Moderate

Note: [ ADENOMA ] TGLs = 4-6

Note: ADENOMA TGLs = 4-6

Thyroid Gland

Bilateral, C Cell

Carcinoma

C Cell

Carcinoma

Note: [ CARCINOMA ] TGLs = 2-8.1,3-8.1

Note: CARCINOMA TGLs = 2-8.1,3-8.1

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 237

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 0.6% HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Nose	Pancreas	Parathyroid Gland
Prostate	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Eye	Lens	Degeneration	Mild
	Retina	Degeneration	Moderate
Note: DEGEN	TGLs = 1-13		
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Hyperplasia	Minimal
Kidney	Renal Tubule	Cyst	
		Nephropathy	Moderate
Note: CYST	TGLs = 6-4.1		
Liver	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Focal, Mild
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
Preputial Gland		Abscess	Mild
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Moderate
Note: ATROPHY	TGLs = 2-6		
Spleen		Congestion	Mild
Note: CONGESTION	TGLs = 5-3		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 237	<b>TRT#:</b> 4 <b>DOSE:</b> 0.6% HM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 730 <b>HISTO:</b>
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Testes  Note: ADENOMA      TGLs = 3-6,4-6	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Moderate
<b>PRIMARY CAUSE OF DEATH</b>	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 238

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 0.6% HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Blood		Leukemia Mononuclear	Moderate
Bone Marrow		Hyperplasia	Moderate
Kidney	Interstit Tiss	Hyperplasia	Mild
		Nephropathy	Moderate
Note: NEPHROPATHY TGLs = 4-4			
Liver	Bile Duct	Hyperplasia	Minimal
		Hyperplasia	Focal, Mild
		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC TGLs = 5-3			
Lung	Lymphatic, Mandibular	Leukemia Mononuclear	Moderate
Lymph Node	Mesenteric	Angiectasis	Marked
	Mandibular	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
	Mesenteric	Leukemia Mononuclear	Moderate
		Leukemia Mononuclear	Moderate
Note: ANGIECTASIS TGLs = 1-9			
Nose		Inflammation	Acute, Marked
		Parasite Metazoan	Mild
Pancreas	Acinus	Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Cyst	
Salivary Glands		Karyomegaly	Mild
Seminal Vesicle		Atrophy	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

**ANIMAL ID:** 238

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 0.6% HM

**DISP:** Terminal Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC	TGLs = 3-3.1		
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
Note: ADENOMA	TGLs = 2-6		
Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 240

TRT#: 4

SEX: Male

DAY ON TEST: 619

DOSE: 0.6% HM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Epididymis  
Intestine Large - Rectum  
Parathyroid Gland  
Seminal Vesicle  
Urinary Bladder

Adrenal Gland - Medulla  
Esophagus  
Intestine Small - Duodenum  
Pituitary Gland  
Stomach - Forestomach

Bone  
Intestine Large - Cecum  
Intestine Small - Ileum  
Preputial Gland  
Stomach - Glandular

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Prostate  
Trachea

MISSING

Islets, Pancreatic

Mammary Gland

Pancreas

OBSERVATIONS

Bone Marrow  
Heart  
Kidney  
Liver  
    Note: [ HISTIO SARC ] TGLs = 7-3,8-3,10  
Lung  
Lymph Node  
  
    Note: [ HISTIO SARC ] TGLs = 4-2  
Nose  
  
Salivary Glands  
Skin  
    Note: HYPERKERATOSIS TGLs = 2-13  
Spleen  
  
    Note: NECROSIS TGLs = 9  
    Note: [ HISTIO SARC ] TGLs = 5-3

Mandibular  
Mediastinal  
Mesenteric

Histiocytic Sarcoma  
Cardiomyopathy  
Nephropathy  
Histiocytic Sarcoma  
  
Histiocytic Sarcoma  
Histiocytic Sarcoma  
Histiocytic Sarcoma  
Infiltration Cellular  
  
Fungus  
Inflammation  
Metaplasia  
Karyomegaly  
Hyperkeratosis  
  
Hematopoietic Cell Proliferation  
Histiocytic Sarcoma  
Necrosis  
  
Minimal  
Mild  
  
Plasma Cell, Moderate  
  
Marked  
Chronic, Moderate  
Squamous, Moderate  
Mild  
Marked  
  
Marked  
  
Focal, Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 240	<b>TRT#:</b> 4 <b>DOSE:</b> 0.6% HM	<b>SEX:</b> Male <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 619 <b>HISTO:</b>
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Testes  Note: ADENOMA      TGLs = 3-6	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Mild
Thymus Thyroid Gland	C Cell	Histiocytic Sarcoma Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

<b>ANIMAL ID:</b> 1	<b>TRT#:</b> 5 <b>DOSE:</b> CONTROL UF	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 736 <b>HISTO:</b>
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Eye
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Harderian Gland		Pigmentation	Mild
Note: PIGMENT TGLs = 1-13			
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Granuloma	Mild
Lung		Adenosquamous Carcinoma	
Note: CARC ADENOSQUA TGLs = 3-1	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
Nose		Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Cyst	
Note: [ ANGIECTASIS ] TGLs = 2-8			
Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	C Cell	Adenoma	
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

<b>ANIMAL ID:</b> 2	<b>TRT#:</b> 5 <b>DOSE:</b> CONTROL UF	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 736 <b>HISTO:</b>
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	Brain	Clitoral Gland	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder		

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
Note: BASOPH FOCUS TGLs = 6,7,8			
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
Mammary Gland		Galactocele	
Note: GALACTOCELE TGLs = 1-10.1			
Nose		Inflammation	Chronic, Mild
Ovary		Cyst	
Note: CYST TGLs = 2-6			
Pancreas	Acinus	Atrophy	Focal, Marked
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
Note: ADENOMA TGLs = 3-8			
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Thymus		Thymoma Benign	
Note: THYMOMA BGN TGLs = 4-2			
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus		Polyp Stromal	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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**ANIMAL ID:** 2

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 736

**DOSE:** CONTROL UF

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: POLYP STROMAL TGLs = 5-6

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

<b>ANIMAL ID:</b> 3	<b>TRT#:</b> 5 <b>DOSE:</b> CONTROL UF	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 736 <b>HISTO:</b>
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood	Bone	Bone Marrow
Brain	Esophagus	Intestine Large - Cecum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Mild
Clitoral Gland		Abscess	Mild
	Bilateral	Adenoma	
Note: ADENOMA	TGLs = 1-10		
Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite Metazoan	Marked
	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Granuloma	Mild
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
Note: BASOPH FOCUS	TGLs = 4		
Note: ANOM HEPAT LOB	TGLs = 2-3		
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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**ANIMAL ID:** 3

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 736

**DOSE:** CONTROL UF

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: HYPERPLASIA TGLs = 3-6

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 4

TRT#: 5

SEX: Female

DAY ON TEST: 736

DOSE: CONTROL UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Blood		Leukemia Mononuclear	Moderate
Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC TGLs = 5-3			
Lung		Leukemia Mononuclear	Moderate
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Mild
	Mandibular	Leukemia Mononuclear	Moderate
	Mesenteric	Leukemia Mononuclear	Moderate
Nose		Inflammation	Chronic, Mild
		Metaplasia	Squamous, Mild
Pancreas	Acinus	Atrophy	Focal, Moderate
Pituitary Gland	Pars Distalis	Cyst	Mild
Spleen		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC TGLs = 4-3			
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

<b>ANIMAL ID:</b> 5	<b>TRT#:</b> 5 <b>DOSE:</b> CONTROL UF	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 737 <b>HISTO:</b>
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex Medulla	Cytoplasmic Alteration Pheochromocytoma Benign	Focal, Mild
Brain		Carcinoma	Metastatic (Pituitary Gland)
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus Granuloma Inflammation	Moderate Chronic, Focal, Mild
Note: INFLAMMATION TGLs = 9			
Lung	Peribronchial	Inflammation	Chronic, Minimal
Lymph Node	Mesenteric Mandibular	Granuloma Infiltration Cellular	Mild Plasma Cell, Moderate
Mammary Gland		Fibroadenoma Galactocele	
Note: GALACTOCELE TGLs = 5-10.1,4-10.2,6-10.3			
Note: FIBROADENOMA TGLs = 4-10.2,6-10.3			
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Carcinoma	
Note: CARCINOMA TGLs = 7-8			
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC TGLs = 2-10.1			
Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Hemosiderin, Mild
Stomach	Forestomach	Hyperplasia	Basal Cell, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 5	<b>TRT#:</b> 5 <b>DOSE:</b> CONTROL UF	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 737 <b>HISTO:</b>
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Thyroid Gland	C Cell C Cell	Carcinoma Hyperplasia Polyp Stromal	Minimal
Uterus			
<b>PRIMARY CAUSE OF DEATH</b>	-		

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 7

TRT#: 5

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Nose	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Mild
Heart		Cardiomyopathy	Minimal
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Granuloma	Mild
Note: GRANULOMA TGLs = 7			
Lung	Peribronchial	Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Chronic, Minimal
Note: INFILTRAT CELL TGLs = 6-1			
Lymph Node	Mesenteric	Granuloma	Marked
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: GALACTOCELE TGLs = 2-13.1			
Note: FIBROADENOMA TGLs = 1-13,2-13.1			
Ovary		Cyst	
Note: CYST TGLs = 3-6			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
Note: ADENOMA TGLs = 4-8			
Spleen		Granuloma	Marked
Note: GRANULOMA TGLs = 5-3			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 7	<b>TRT#:</b> 5 <b>DOSE:</b> CONTROL UF	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 737 <b>HISTO:</b>
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 9

TRT#: 5

SEX: Female

DAY ON TEST: 730

DOSE: CONTROL UF

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Clitoral Gland	Ear
Esophagus	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum
Islets, Pancreatic	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Trachea	Uterus		

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Small - Ileum	Urinary Bladder
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OBSERVATIONS

Adrenal Gland	Medulla	Leukemia Mononuclear	Marked
Blood		Leukemia Mononuclear	Marked
Bone Marrow		Hyperplasia	Mild
Brain		Hemorrhage	Marked
Note: HEMORRHAGE	TGLs = 5-5		
Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite Metazoan	Marked
Kidney		Nephropathy	Mild
Liver		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	Marked
Lung		Leukemia Mononuclear	Marked
Lymph Node	Mandibular	Leukemia Mononuclear	Marked
	Mediastinal	Leukemia Mononuclear	Marked
	Mesenteric	Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC	TGLs = 2-2		
Note: LEUKEMIA MONUC	TGLs = 4-8		
Note: LEUKEMIA MONUC	TGLs = 1-9		
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Spleen		Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC	TGLs = 3-3.1		
Stomach	Forestomach	Hyperkeratosis	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 9	<b>TRT#:</b> 5 <b>DOSE:</b> CONTROL UF	<b>SEX:</b> Female <b>DISP:</b> Dead	<b>DAY ON TEST:</b> 730 <b>HISTO:</b>
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
	Glandular Forestomach	Inflammation Ulcer	Chronic, Moderate Marked
Note: HYPERKERATOSIS TGLs = 7 Note: INFLAMMATION TGLs = 7 Note: ULCER TGLs = 6-7			
Thymus Thyroid Gland	C Cell	Leukemia Mononuclear Adenoma	Marked
<b>PRIMARY CAUSE OF DEATH</b>	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 10

TRT#: 5

SEX: Female

DAY ON TEST: 652

DOSE: CONTROL UF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Nose	Ovary
Parathyroid Gland	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder	Uterus	

MISSING

Adrenal Gland - Medulla	Clitoral Gland	Islets, Pancreatic	Pancreas
Thymus			

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Moderate
Bone Marrow		Hyperplasia	Mild
Kidney		Cyst	
Note: CYST	TGLs = 5-4.1	Nephropathy	Mild
Liver		Fatty Change	Mild
Lung	Peribronchial	Infiltration Cellular	Histiocyte, Marked
Note: INFILTRAT CELL	TGLs = 8-2.1	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 3-13		
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
Note: ADENOMA	TGLs = 6-8		
Skin	Subcut Tiss	Schwannoma Malignant	
Note: [ SCHWANNOMA MAL ]	TGLs = 2-14+14.1		
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL	TGLs = 4-3		
Thyroid Gland	C Cell	Hyperplasia	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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**ANIMAL ID:** 10

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 652

**DOSE:** CONTROL UF

**DISP:** Moribund

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 11

TRT#: 5

SEX: Female

DAY ON TEST: 679

DOSE: CONTROL UF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Nose
Ovary	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Bone Marrow		Hyperplasia	Mild
Clitoral Gland		Carcinoma	
		Ectasia	Marked
Note: CARCINOMA	TGLs = 2-10.1+10.2		
Heart		Cardiomyopathy	Minimal
Kidney		Abscess	Multiple, Moderate
		Nephropathy	Minimal
Liver		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	Moderate
		Necrosis	Focal, Minimal
Note: LEUKEMIA MONUC	TGLs = 6-3		
Lung		Leukemia Mononuclear	Moderate
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Leukemia Mononuclear	Moderate
	Mesenteric	Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC	TGLs = 9-8		
Mammary Gland		Fibroadenoma	
Pancreas		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC	TGLs = 5-9.1		
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST	TGLs = 7-8		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 11	<b>TRT#:</b> 5 <b>DOSE:</b> CONTROL UF	<b>SEX:</b> Female <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 679 <b>HISTO:</b>
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Spleen		Leukemia Mononuclear	Moderate
Thyroid Gland	C Cell	Adenoma	
Uterus		Thrombosis	
Note: THROMBUS      TGLs = 4-6			
Note: BODY OF UTERUS NOT SECTIONED			
<b>PRIMARY CAUSE OF DEATH</b>	-		

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 12

TRT#: 5

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Clitoral Gland	Esophagus
Eye	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Zymbal's Gland

INSUFFICIENT TISSUE

Adrenal Gland - Medulla

OBSERVATIONS

Blood		Leukemia Mononuclear	Moderate
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Granuloma	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	Moderate
Lung		Leukemia Mononuclear	Moderate
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
	Mandibular	Leukemia Mononuclear	Moderate
	Mesenteric	Leukemia Mononuclear	Moderate
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: FIBROADENOMA TGLs = 1-13			
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
Note: [ HYPERPLASIA ] TGLs = 3-8			
Spleen		Leukemia Mononuclear	Moderate
Thyroid Gland	C Cell	Hyperplasia	Minimal
Uterus		Angiectasis	Mild
		Mineralization	Focal, Moderate
Note: [ ANGIECTASIS ] TGLs = 2-6			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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**ANIMAL ID:** 12

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 737

**DOSE:** CONTROL UF

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 14

TRT#: 5

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL UF

DISP: Terminal Sacrifice

HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	Brain	Clitoral Gland	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Lung	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

**MISSING**

Pituitary Gland

**OBSERVATIONS**

Heart		Cardiomyopathy	Minimal
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Granuloma	Marked
Note: GRANULOMA	TGLs = 1-3		
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 15

TRT#: 5

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	Brain	Esophagus	Eye
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Lung	Lymph Node - Mesenteric
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Islets, Pancreatic	Lymph Node - Mandibular	Mammary Gland
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OBSERVATIONS

Clitoral Gland		Inflammation	Chronic, Minimal
Harderian Gland		Pigmentation	Marked
Note: PIGMENT	TGLs = 1-13		
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Fatty Change	Minimal
		Granuloma	Mild
Nose		Hemorrhage	Marked
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
Note: ADENOMA	TGLs = 2-8		
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 17

TRT#: 5

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone Marrow
Brain	Esophagus	Intestine Large - Cecum	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mammary Gland	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Thymus	Trachea

MISSING

Ovary	Urinary Bladder	Uterus
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OBSERVATIONS

Bone		Hyperostosis	
Clitoral Gland		Squamous Cell Papilloma	
Note: PAPILLOMA SQUA TGLs = 1-10			
Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Granuloma	Mild
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Marked
Nose	Respirat Epith	Degeneration	Hyaline, Mild
		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Angiectasis	Mild
Spleen		Hematopoietic Cell Proliferation	Mild
Stomach	Glandular	Mineralization	Mild
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 20

TRT#: 5

SEX: Female

DAY ON TEST: 517

DOSE: CONTROL UF

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Rectum  
Lymph Node - Mesenteric  
Skin  
Uterus

Adrenal Gland - Medulla  
Esophagus  
Intestine Small - Duodenum  
Ovary  
Stomach - Glandular

Bone  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Parathyroid Gland  
Thyroid Gland

Bone Marrow  
Intestine Large - Colon  
Islets, Pancreatic  
Salivary Glands  
Trachea

AUTO PRECLUDES DIAG.

Intestine Small - Ileum

Urinary Bladder

OBSERVATIONS

Clitoral Gland  
Heart  
Kidney  
Note: NEPHROPATHY TGLs = 6-4  
Liver

Note: FATTY CHANGE TGLs = 7-3  
Lung  
Note: CONGESTION TGLs = 3-1

Lymph Node  
Note: CONGESTION TGLs = 5-9  
Mammary Gland

Note: FIBROADENOMA TGLs = 1-13  
Nose

Pancreas  
Note: ATROPHY TGLs = 4-9

Pituitary Gland  
Note: ADENOMA TGLs = 8-8

Spleen

Pancreatic  
Mandibular

Acinus

Pars Distalis

Abscess  
Cardiomyopathy  
Nephropathy

Basophilic Focus  
Fatty Change

Congestion

Congestion  
Infiltration Cellular

Fibroadenoma  
Galactocele

Metaplasia  
Atrophy

Adenoma

Hematopoietic Cell Proliferation

Mild  
Minimal  
Minimal  
Mild  
Moderate  
Mild  
Plasma Cell, Moderate

Squamous, Mild  
Focal, Marked

Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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**ANIMAL ID:** 20

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 517

**DOSE:** CONTROL UF

**DISP:** Dead

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Stomach

Forestomach

Pigmentation

Hemosiderin, Mild

Thymus

Hyperplasia

Basal Cell, Moderate

Congestion

Moderate

Note: CONGESTION TGLs = 2-2

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 21

TRT#: 5

SEX: Female

DAY ON TEST: 668

DOSE: CONTROL UF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Clitoral Gland	Esophagus	Eye	Intestine Large - Cecum
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Mammary Gland	Ovary	Pancreas
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

MISSING

Parathyroid Gland

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
		Myelofibrosis	Minimal
Harderian Gland		Pigmentation	Mild
Note: PIGMENT TGLs = 1-13			
Heart		Cardiomyopathy	Minimal
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Fatty Change	Minimal
		Granuloma	Moderate
		Hepatodiaphragmatic Nodule	
Note: ANOM HEPAT LOB TGLs = 6-3			
Note: GRANULOMA TGLs = 7			
Lung	Peribronchial	Inflammation	Chronic, Minimal
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
Nose	Respirat Epith	Degeneration	Hyaline, Mild
		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Focal, Mild
Skin		Hyperkeratosis	Marked

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 21	<b>TRT#:</b> 5	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 668
	<b>DOSE:</b> CONTROL UF	<b>DISP:</b> Moribund	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: HYPERKERATOSIS	TGLs = 3-13		
Spleen		Pigmentation	Hemosiderin, Moderate
Thyroid Gland	C Cell	Hyperplasia	Minimal
Uterus		Polyp Stromal	
Note: POLYP STROMAL	TGLs = 5-6		
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 22

TRT#: 5

SEX: Female

DAY ON TEST: 664

DOSE: CONTROL UF

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Clitoral Gland	Esophagus	Intestine Large - Rectum	Islets, Pancreatic
Lymph Node - Mandibular	Ovary	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Thymus	Trachea
Uterus			

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Nose	Stomach - Glandular	Thyroid Gland
Urinary Bladder			

OBSERVATIONS

Brain		Hemorrhage	Mild
Note: HEMORRHAGE	TGLs = 4-5		
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Granuloma	Mild
Lung		Hemorrhage	Focal, Marked
Note: HEMORRHAGE	TGLs = 2-1+2		
Lymph Node	Mesenteric	Granuloma	Mild
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: FIBROADENOMA	TGLs = 1-13+13.1		
Pancreas	Acinus	Atrophy	Focal, Moderate
Note: ATROPHY	TGLs = 3-9		
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hemorrhage	Marked
Note: ADENOMA	TGLs = 5-8		
Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

**ANIMAL ID:** 23

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 501

**DOSE:** CONTROL UF

**DISP:** Moribund

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Mild
	Medulla	Hyperplasia	Focal, Mild
Bone		Hyperostosis	
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
Note: BASOPH FOCUS	TGLs = 2-3		
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Marked
Spleen		Hematopoietic Cell Proliferation	Moderate
Stomach	Glandular	Inflammation	Chronic, Minimal
Uterus		Inflammation	Chronic Active, Moderate
		Prolapse	

Note: PROLAPSE TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 24

TRT#: 5

SEX: Female

DAY ON TEST: 596

DOSE: CONTROL UF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland Note: ATROPHY TGLs = 5-8	Cortex	Atrophy	Marked
Brain Note: HYDROCEPHALUS TGLs = 10-5		Hydrocephalus	Marked
Clitoral Gland		Inflammation	Acute, Mild
Kidney		Nephropathy	Moderate
Liver Note: FATTY CHANGE TGLs = 9-3		Fatty Change	Mild
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Marked
Mammary Gland Note: ECTASIA TGLs = 3-10		Ectasia	Marked
Mesentery Note: NECROSIS TGLs = 7-13	Fat	Necrosis	Moderate
Nose		Fungus	Marked
		Inflammation	Acute, Marked
		Metaplasia	Squamous, Moderate
Ovary Note: LUTEOMA TGLs = 4-6.1		Luteoma	
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
Thyroid Gland Note: ADENOMA TGLs = 6-8	C Cell	Hyperplasia	Moderate
Uterus		Atrophy	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

---

**ANIMAL ID:** 24

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 596

**DOSE:** CONTROL UF

**DISP:** Moribund

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 26

TRT#: 5

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
Clitoral Gland		Carcinoma	
Note: CARCINOMA	TGLs = 1-10	Inflammation	Chronic, Mild
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Granuloma	Minimal
	Bile Duct	Hyperplasia	Mild
Lung	Peribronchial	Inflammation	Chronic, Minimal
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Mammary Gland		Ectasia	Moderate
Note: ECTASIA	TGLs = 2-13		
Nose		Fungus	
		Inflammation	Acute, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 4-8		
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Moderate
Thyroid Gland	C Cell	Adenoma	
Uterus		Polyp Stromal	
		Thrombosis	
Note: THROMBUS	TGLs = 3-6.1		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

---

**ANIMAL ID:** 26

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 737

**DOSE:** CONTROL UF

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 27

TRT#: 5

SEX: Female

DAY ON TEST: 729

DOSE: CONTROL UF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Clitoral Gland	Esophagus
Eye	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Glandular	Trachea	Urinary Bladder	

MISSING

Adrenal Gland - Medulla	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Mild
Blood		Leukemia Mononuclear	Moderate
Brain		Hydrocephalus	Mild
Harderian Gland		Pigmentation	Moderate
Note: PIGMENT TGLs = 1-13			
Kidney		Nephropathy	Marked
Note: NEPHROPATHY TGLs = 7-4,8-4			
Liver		Basophilic Focus	
		Granuloma	Mild
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	Moderate
Note: ANOM HEPAT LOB TGLs = 6-3			
Lymph Node	Mesenteric	Granuloma	Moderate
	Mandibular	Infiltration Cellular	Plasma Cell, Marked
Note: GRANULOMA TGLs = 10-8			
Mammary Gland		Ectasia	Moderate
Note: ECTASIA TGLs = 3-10			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 9-8			
Skeletal Muscle		Myopathy Degenerative	Moderate
Note: MYOPATHY DEGEN TGLs = 2-13			

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

---

**ANIMAL ID:** 27

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** CONTROL UF

**DISP:** Moribund

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Spleen		Leukemia Mononuclear	Moderate
Stomach	Forestomach	Acanthosis	Moderate
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus		Polyp Stromal	

Note: POLYP STROMAL TGLs = 5-6

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 28

TRT#: 5

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood	Brain	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Islets, Pancreatic	Kidney
Lung	Nose	Ovary	Pancreas
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Adrenal Gland - Medulla	Parathyroid Gland	Thymus
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OBSERVATIONS

Bone		Hyperostosis	
Bone Marrow		Hyperplasia	Mild
Clitoral Gland		Abscess	Moderate
		Adenoma	
Note: ADENOMA	TGLs = 3-10		
Intestine Small	Jejunum	Parasite Metazoan	Mild
Liver		Basophilic Focus	
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Marked
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: FIBROADENOMA	TGLs = 2-13		
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST	TGLs = 5-8		
Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 29

TRT#: 5

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Granuloma	Moderate
		Hepatodiaphragmatic Nodule	
		Hyperplasia	Focal, Mild
Note: ANOM HEPAT LOB TGLs = 3-3			
Lymph Node	Mesenteric	Granuloma	Mild
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: FIBROADENOMA TGLs = 2-13			
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Cyst	
Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 30

TRT#: 5

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Small - Duodenum  
Lung  
Pancreas  
Stomach - Forestomach  
Urinary Bladder

Blood  
Heart  
Intestine Small - Ileum  
Mammary Gland  
Parathyroid Gland  
Stomach - Glandular  
Uterus

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Nose  
Salivary Glands  
Thymus

MISSING

Esophagus

OBSERVATIONS

Bone  
Intestine Large  
Kidney  
Liver

Colon

Hyperostosis  
Parasite Metazoan  
Nephropathy  
Basophilic Focus  
Granuloma  
Hyperplasia  
Leukemia Mononuclear

Mild  
Minimal  
Mild  
Minimal  
Moderate

Bile Duct

Granuloma  
Infiltration Cellular

Mild  
Plasma Cell, Mild

Note: LEUKEMIA MONUC TGLs = 4-3

Lymph Node

Mesenteric  
Mandibular

Hyperplasia  
Leukemia Mononuclear  
Hyperplasia

Focal, Marked  
Moderate  
Minimal

Note: GRANULOMA TGLs = 3-8

Pituitary Gland  
Spleen  
Thyroid Gland

Pars Distalis  
C Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 31

TRT#: 5

SEX: Female

DAY ON TEST: 683

DOSE: CONTROL UF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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	Ovary	Pancreas	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Tooth	Trachea
Urinary Bladder	Uterus		

MISSING

Parathyroid Gland	Thymus
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INSUFFICIENT TISSUE

Adrenal Gland - Medulla
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OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Mild
Intestine Large	Colon	Parasite Metazoan	Moderate
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Fatty Change	Minimal
Lymph Node	Mesenteric	Congestion	Marked
	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Marked
Note: [ CONGESTION ] TGLs = 6-8			
Mammary Gland		Ectasia	Marked
		Fibroadenoma	
Note: [ FIBROADENOMA ] TGLs = 2-14			
Note: [ ECTASIA ] TGLs = 5-10			
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
Skin		Abscess	Mild
Note: [ ABSCESS ] TGLs = 4-13.1			
Spleen		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Hyperplasia	Mild
Tissue NOS		Squamous Cell Carcinoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

---

**ANIMAL ID:** 31

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 683

**DOSE:** CONTROL UF

**DISP:** Moribund

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ SQUAM CEL CARC ] TGLs = 3-13

Note: HOWEVER THAT SITE IS NOT AVAILABLE IN TDMS SO TISSUE, NOS,

Note: POSSIBLY ARISING FROM THE CHEEK;

Note: SQUAMOUS CELL CARCINOMA IS PRIMARY IN THE ORAL CAVITY,

Note: ORAL WAS USED AS IT WAS THE ONLY APPROPRIATE SITE.

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PRIMARY CAUSE OF DEATH

-

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Animal Note: 8

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 32

TRT#: 5

SEX: Female

DAY ON TEST: 380

DOSE: CONTROL UF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Esophagus

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Kidney

Liver

Lymph Node - Mesenteric

Mammary Gland

Ovary

Pancreas

Parathyroid Gland

Salivary Glands

Skin

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

Urinary Bladder

Uterus

MISSING

Clitoral Gland

Lymph Node - Mandibular

OBSERVATIONS

Bone Marrow

Hyperplasia

Moderate

Brain

Hemorrhage

Minimal

Lung

Peribronchial

Inflammation

Chronic, Minimal

Lymph Node

Mediastinal

Congestion

Moderate

Note: [ CONGESTION ] TGLs = 3-2

Mesentery

Sarcoma

Note: [ SARCOMA ] TGLs = 5-14

Nose

Metaplasia

Squamous, Mild

Pituitary Gland

Pars Distalis

Cyst

Spleen

Hematopoietic Cell Proliferation

Marked

Tissue NOS

Sarcoma

Note: [ SARCOMA ] TGLs = 6-13

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 33

TRT#: 5

SEX: Female

DAY ON TEST: 724

DOSE: CONTROL UF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Clitoral Gland	Parathyroid Gland	Thymus
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OBSERVATIONS

Brain		Hydrocephalus	Mild
Kidney		Nephropathy	Moderate
Liver		Basophilic Focus	
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 6-8		
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Moderate
Note: PIGMENT	TGLs = 5-3		
Uterus		Polyp Stromal	
Note: POLYP STROMAL	TGLs = 4-6		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 34

TRT#: 5

SEX: Female

DAY ON TEST: 396

DOSE: CONTROL UF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Clitoral Gland

OBSERVATIONS

Harderian Gland		Inflammation	Chronic, Mild
Kidney		Nephropathy	Minimal
Liver		Fatty Change	Minimal
		Granuloma	Mild
Lung		Congestion	Minimal
	Peribronchial	Inflammation	Chronic, Mild
Note: CONGESTION	TGLs = 4-1+2		
Nose		Inflammation	Chronic, Moderate
		Metaplasia	Squamous, Moderate
Pancreas	Acinus	Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST	TGLs = 5-8		
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC	TGLs = 1-13+13.1		
Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 35

TRT#: 5

SEX: Female

DAY ON TEST: 625

DOSE: CONTROL UF

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Mammary Gland	Ovary	Parathyroid Gland	Salivary Glands
Skin	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Lymph Node - Mandibular

AUTO PRECLUDES DIAG.

Intestine Small - Ileum

OBSERVATIONS

Adrenal Gland	Cortex	Congestion	Marked
	Cortex	Hyperplasia	Moderate
	Cortex	Necrosis	Focal, Moderate
Note: HYPERPLASIA TGLs = 3-8			
Bone Marrow		Myelofibrosis	Minimal
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Minimal
Liver		Fatty Change	Moderate
Lymph Node	Mesenteric	Granuloma	Mild
Nose		Fungus	Moderate
		Inflammation	Acute, Mild
Pancreas	Acinus	Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Cyst	
Note: ANGIECTASIS TGLs = 5-8			
Spleen		Hematopoietic Cell Proliferation	Marked
Stomach	Forestomach	Diverticulum	Marked
	Epithelium, Forestomach	Inflammation	Acute, Mild
Note: DIVERTICULUM TGLs = 6-7,7-7			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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**ANIMAL ID:** 35

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 625

**DOSE:** CONTROL UF

**DISP:** Dead

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Uterus

Leiomyosarcoma

Note: [ LEIOMYOSAR ] TGLs = 4-6.1+6.2

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 36

TRT#: 5

SEX: Female

DAY ON TEST: 575

DOSE: CONTROL UF

DISP: Dead

HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Bone	Brain	Clitoral Gland
Esophagus	Heart	Mammary Gland	Ovary
Parathyroid Gland	Skin	Stomach - Forestomach	Thymus
Thyroid Gland	Trachea	Uterus	

**MISSING**

Lymph Node - Mesenteric

**AUTO PRECLUDES DIAG.**

Adrenal Gland - Medulla	Bone Marrow	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Nose	Pancreas
Pituitary Gland	Salivary Glands	Urinary Bladder	

**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Liver		Leukemia Mononuclear	Marked
Lung		Leukemia Mononuclear	Marked
Spleen		Leukemia Mononuclear	Marked
Stomach	Glandular	Ulcer	Marked

Note: ULCER TGLs = 1-7

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 37

TRT#: 5

SEX: Female

DAY ON TEST: 644

DOSE: CONTROL UF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Clitoral Gland

OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Minimal
Liver		Fatty Change	Minimal
		Hepatodiaphragmatic Nodule	
Note: ANOM HEPAT LOB TGLs = 7-3			
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Marked
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: FIBROADENOMA TGLs = 2-13,3-14,4-15			
Nose	Respirat Epith	Degeneration	Hyaline, Mild
Ovary		Cyst	
Note: CYST TGLs = 5-6			
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
Note: [ HYPERPLASIA ] TGLs = 6-8			
Spleen		Pigmentation	Hemosiderin, Moderate
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 38

TRT#: 5

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Trachea	Urinary Bladder	

MISSING

Thymus

INSUFFICIENT TISSUE

Adrenal Gland - Medulla

OBSERVATIONS

Intestine Large	Colon	Parasite Metazoan	Moderate
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Clear Cell Focus	
		Granuloma	Moderate
		Hepatodiaphragmatic Nodule	
Note: CLEAR CL FOCUS TGLs = 7-3			
Note: ANOM HEPAT LOB TGLs = 6-3			
Lung		Congestion	Minimal
Note: CONGESTION TGLs = 3-1			
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
		Fibroadenoma	
Mammary Gland			
Note: FIBROADENOMA TGLs = 2-13			
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 4-14			
Nose	Respirat Epith	Degeneration	Hyaline, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Hematopoietic Cell Proliferation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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**ANIMAL ID:** 38

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 737

**DOSE:** CONTROL UF

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Thyroid Gland

C Cell

Hyperplasia

Moderate

Uterus

Polyp Stromal

Note: POLYP STROMAL TGLs = 5-6

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 39

TRT#: 5

SEX: Female

DAY ON TEST: 578

DOSE: CONTROL UF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Lung	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

MISSING

Clitoral Gland

OBSERVATIONS

Brain		Hydrocephalus	Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Fatty Change	Moderate
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
Note: ANOM HEPAT LOB TGLs = 6			
Lymph Node	Mesenteric	Granuloma	Moderate
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: GALACTOCELE TGLs = 3-13			
Note: FIBROADENOMA TGLs = 4-14,5-15			
Nose		Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 7-8			
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Moderate
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 40

TRT#: 5

SEX: Female

DAY ON TEST: 607

DOSE: CONTROL UF

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Eye
Heart	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland	Ovary
Parathyroid Gland	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

AUTO PRECLUDES DIAG.

Intestine Small - Ileum

OBSERVATIONS

Harderian Gland		Inflammation Pigmentation	Chronic, Mild Mild
Intestine Large	Colon	Parasite Metazoan	Moderate
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus Granuloma	Mild
	Bile Duct	Hyperplasia	Mild
Lung		Alveolar/Bronchiolar Adenoma	
	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mandibular	Granuloma	Mild
	Mesenteric	Granuloma	Marked
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 4-8		
Skin		Basal Cell Carcinoma	
Note: BASAL CEL CARC	TGLs = 2-13		
Spleen		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Adenoma	
Uterus		Polyp Stromal	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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**ANIMAL ID:** 40

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 607

**DOSE:** CONTROL UF

**DISP:** Dead

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 41

TRT#: 5

SEX: Female

DAY ON TEST: 704

DOSE: CONTROL UF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Clitoral Gland
Ear	Esophagus	Eye	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Glandular	Trachea	Urinary Bladder

MISSING

Lymph Node - Mandibular	Thymus
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INSUFFICIENT TISSUE

Adrenal Gland - Medulla
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OBSERVATIONS

Brain		Hydrocephalus	Moderate
Harderian Gland		Pigmentation	Mild
Note: PIGMENT	TGLs = 1-14		
Kidney		Nephropathy	Moderate
Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	Mild
Lymph Node	Mesenteric	Granuloma	Mild
Mammary Gland		Ectasia	Mild
		Fibroadenoma	
		Galactocele	
Note: ECTASIA	TGLs = 5-10.1		
Note: FIBROADENOMA	TGLs = 3-15,4-16		
Ovary		Cyst	
Note: CYST	TGLs = 6-6.1		
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
Note: ADENOMA	TGLs = 8-8		
Spleen		Hematopoietic Cell Proliferation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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**ANIMAL ID:** 41

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 704

**DOSE:** CONTROL UF

**DISP:** Moribund

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Stomach	Forestomach	Leukemia Mononuclear	Mild
Thyroid Gland	C Cell	Ulcer	Marked
Uterus		Hyperplasia	Mild
Note: POLYP STROMAL	TGLs = 7-6	Polyp Stromal	

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 42

TRT#: 5

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mesenteric	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Mild
Clitoral Gland		Inflammation	Chronic, Moderate
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	Moderate
		Hepatodiaphragmatic Nodule	
Note: ANOM HEPAT LOB TGLs = 7-3			
Note: [ BASOPH FOCUS ] TGLs = 6-3			
Lung		Hemorrhage	Focal, Mild
	Alveolar Epith	Metaplasia	Moderate
Note: HEMORRHAGE TGLs = 5-2			
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
Mammary Gland		Ectasia	Moderate
Note: ECTASIA TGLs = 2-14			
Mesentery	Fat	Necrosis	Minimal
Note: NECROSIS TGLs = 3-15			
Nose		Hemorrhage	Mild
		Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hemorrhage	Moderate
Note: HEMORRHAGE TGLs = 8-8			
Skin	Subcut Tiss	Fibroma	
Note: [ FIBROMA ] TGLs = 1-13			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 17:41:36  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 42	<b>TRT#:</b> 5	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 737
	<b>DOSE:</b> CONTROL UF	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Stomach	Forestomach	Ulcer	Mild
Note: ULCER	TGLs = 9-7		
Thyroid Gland	C Cell	Hyperplasia	Minimal
Uterus		Polyp Stromal	
Note: POLYP STROMAL	TGLs = 4-6		

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 45

TRT#: 5

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mandibular	Parathyroid Gland	Thymus
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OBSERVATIONS

Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
Lung		Hemorrhage	Focal, Minimal
Note: HEMORRHAGE	TGLs = 1-1+2		
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Focal, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Stomach	Forestomach	Hyperkeratosis	Marked
	Forestomach	Hyperplasia	Basal Cell, Marked
Note: HYPERPLASIA	TGLs = 2		
Note: HYPERKERATOSIS	TGLs = 2		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 46

TRT#: 5

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood	Bone	Brain
Clitoral Gland	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland	Ovary
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

INSUFFICIENT TISSUE

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Mild
Bone Marrow		Myelofibrosis	Mild
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Granuloma	Moderate
Lung	Peribronchial	Inflammation	Chronic, Minimal
Lymph Node	Mandibular	Congestion	Mild
	Mesenteric	Granuloma	Mild
Note: CONGESTION	TGLs = 1-9		
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Focal, Mild
Spleen		Granuloma	Marked
Note: GRANULOMA	TGLs = 2-3		
Thyroid Gland	C Cell	Hyperplasia	Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 47

TRT#: 5

SEX: Female

DAY ON TEST: 697

DOSE: CONTROL UF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	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	Lymph Node - Mandibular	Ovary	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder	Uterus	

MISSING

Adrenal Gland - Medulla	Thymus
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OBSERVATIONS

Clitoral Gland		Carcinoma	
Note: CARCINOMA	TGLs = 5-10		
Harderian Gland		Pigmentation	Moderate
Note: PIGMENT	TGLs = 2-13		
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Hyperplasia	Focal, Mild
Note: HYPERPLASIA	TGLs = 6-3.1		
Lung	Peribronchial	Inflammation	Chronic, Minimal
Lymph Node	Mesenteric	Granuloma	Moderate
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: FIBROADENOMA	TGLs = 3-14+14.1,4-15		
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Cyst	
Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 48

TRT#: 5

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood	Bone	Bone Marrow
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

MISSING

Adrenal Gland - Medulla	Lymph Node - Mandibular
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OBSERVATIONS

Brain		Hydrocephalus	Mild
Clitoral Gland		Abscess	Moderate
		Adenoma	
Note: ABSCESS	TGLs = 2-10		
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Granuloma	Moderate
	Bile Duct	Hyperplasia	Mild
Lymph Node	Mesenteric	Granuloma	Mild
Mammary Gland		Ectasia	Marked
		Fibroadenoma	
		Galactocele	
Note: FIBROADENOMA	TGLs = 1-13		
Nose	Respirat Epith	Degeneration	Hyaline, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 3-8		
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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**ANIMAL ID:** 48

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 737

**DOSE:** CONTROL UF

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 49

TRT#: 5

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood	Bone	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Ovary	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder	Uterus	

MISSING

Mammary Gland

INSUFFICIENT TISSUE

Adrenal Gland - Medulla

OBSERVATIONS

Bone Marrow		Myelofibrosis	Mild
Clitoral Gland	Bilateral	Adenoma Inflammation	Acute, Mild
Note: [ ADENOMA ] TGLs = 3-10			
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus Granuloma	Minimal
	Bile Duct	Hyperplasia	Minimal
Lymph Node	Mandibular Mesenteric	Hyperplasia Hyperplasia Inflammation	Lymphoid, Mild Lymphoid, Moderate Chronic, Mild
Nose			
Pancreas	Acinus	Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2-8			
Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Hemosiderin, Mild
Thymus		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 1-2			
Thyroid Gland	C Cell	Hyperplasia	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

---

**ANIMAL ID:** 49

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 737

**DOSE:** CONTROL UF

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 50

TRT#: 5

SEX: Female

DAY ON TEST: 668

DOSE: CONTROL UF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Brain		Hydrocephalus	Moderate
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Fatty Change	Minimal
		Granuloma	Mild
		Hyperplasia	Focal, Mild
Note: GRANULOMA	TGLs = 5		
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Mammary Gland		Ectasia	Marked
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
Note: ADENOMA	TGLs = 4-8		
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 51

TRT#: 5

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	Brain	Clitoral Gland	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Mammary Gland	Nose	Ovary	Pancreas
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder		

MISSING

Parathyroid Gland	Thymus
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OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver		Basophilic Focus	
		Granuloma	Minimal
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 1-8		
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Moderate
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus		Polyp Stromal	
Note: POLYP STROMAL	TGLs = 2-6		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 52

TRT#: 5

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood	Bone Marrow	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mammary Gland	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

MISSING

Pituitary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Congestion	Marked
	Medulla	Hyperplasia	Focal, Mild
Bone		Hyperostosis	
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Granuloma	Mild
Note: GRANULOMA	TGLs = 2		
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mandibular	Granuloma	Mild
	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
Nose		Inflammation	Chronic, Mild
Spleen		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Hyperplasia	Moderate
Uterus		Polyp Stromal	

Note: POLYP STROMAL TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 53

TRT#: 5

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Marked
Clitoral Gland		Carcinoma	
Note: CARCINOMA	TGLs = 2-10.1		
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Hyperplasia	Focal, Marked
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Granuloma	Mild
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 3-13		
Ovary		Granulosa Cell Tumor Benign	
Pituitary Gland	Pars Distalis	Angiectasis	Mild
Note: [ ANGIECTASIS ]	TGLs = 6-8		
Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal
Uterus		Polyp Stromal	
Note: POLYP STROMAL	TGLs = 4-6		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 54

TRT#: 5

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Esophagus	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland
Ovary	Pancreas	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Blood		Leukemia Mononuclear	Mild
Clitoral Gland		Cyst	
Note: CYST	TGLs = 3-10		
Heart		Cardiomyopathy	Moderate
Intestine Large	Cecum	Parasite Metazoan	Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	Mild
Note: ANOM HEPAT LOB	TGLs = 4-3.1,5-3.1,6-3		
Lung	Peribronchial	Inflammation	Chronic, Minimal
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
Nose		Inflammation	Chronic, Mild
		Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
Note: ADENOMA	TGLs = 8-8,9-8		
Note: CYST	TGLs = 7-8		
Skin	Subcut Tiss	Fibroma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 54	<b>TRT#:</b> 5	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 737
	<b>DOSE:</b> CONTROL UF	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: FIBROMA	TGLs = 2-3.1		
Spleen		Leukemia Mononuclear	Mild

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<b>PRIMARY CAUSE OF DEATH</b>	-
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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 55

TRT#: 5

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood	Bone	Brain
Esophagus	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Ovary
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Moderate
Bone Marrow		Myelofibrosis	Moderate
Clitoral Gland		Abscess	Marked
		Adenoma	
Note: ADENOMA	TGLs = 2-10.1		
Heart		Cardiomyopathy	Moderate
Intestine Large	Cecum	Parasite Metazoan	Marked
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Granuloma	Mild
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
Note: ANOM HEPAT LOB	TGLs = 8-3,9-3		
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mediastinal	Congestion	Marked
	Pancreatic	Congestion	Mild
	Mesenteric	Granuloma	Moderate
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Note: CONGESTION	TGLs = 4-6		
Note: CONGESTION	TGLs = 6-9		
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 3-10		
Mesentery	Fat	Necrosis	Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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**ANIMAL ID:** 55

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 737

**DOSE:** CONTROL UF

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: NECROSIS TGLs = 7-3.1

Nose

Inflammation

Acute, Mild

Metaplasia

Squamous, Moderate

Pancreas

Acinus

Atrophy

Focal, Moderate

Pituitary Gland

Pars Distalis

Cyst

Spleen

Pars Distalis

Hyperplasia

Focal, Moderate

Granuloma

Marked

Hematopoietic Cell Proliferation

Mild

Note: GRANULOMA TGLs = 5-3.1

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 56

TRT#: 5

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Clitoral Gland

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Granuloma	Moderate
Lymph Node	Mesenteric	Granuloma	Mild
Mammary Gland		Fibroadenoma	
Mesentery	Fat	Necrosis	Marked
Note: NECROSIS TGLs = 3-13			
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Focal, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 4-8			
Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 57

TRT#: 5

SEX: Female

DAY ON TEST: 574

DOSE: CONTROL UF

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Lung  
Ovary  
Skin  
Thyroid Gland

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Rectum  
Lymph Node - Mandibular  
Parathyroid Gland  
Stomach - Forestomach  
Trachea

Bone  
Esophagus  
Intestine Small - Duodenum  
Mammary Gland  
Pituitary Gland  
Stomach - Glandular

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Nose  
Salivary Glands  
Thymus

MISSING

Islets, Pancreatic

Lymph Node - Mesenteric

Pancreas

AUTO PRECLUDES DIAG.

Intestine Small - Ileum

Urinary Bladder

OBSERVATIONS

Heart  
Kidney  
Liver

Cardiomyopathy  
Nephropathy  
Basophilic Focus  
Necrosis

Mild  
Minimal  
Focal, Mild

Note: NECROSIS TGLs = 4-3

Spleen  
Uterus

Pigmentation  
Polyp Stromal

Hemosiderin, Moderate

Note: POLYP STROMAL TGLs = 5-6,2-6.1

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 58

TRT#: 5

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood	Bone Marrow	Brain	Clitoral Gland
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Mammary Gland	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Mild
	Medulla	Hyperplasia	Focal, Moderate
Bone		Hyperostosis	
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
Nose	Respirat Epith	Degeneration	Hyaline, Mild
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
Note: ADENOMA	TGLs = 1-8		
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Moderate
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 59

TRT#: 5

SEX: Female

DAY ON TEST: 737

DOSE: CONTROL UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Nose	Ovary	Parathyroid Gland
Salivary Glands	Skin	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Mild
Bone		Hyperostosis	
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Granuloma	Moderate
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Granuloma	Moderate
	Mandibular	Infiltration Cellular	Plasma Cell, Marked
Pancreas	Acinus	Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Angiectasis	Marked
	Pars Distalis	Cyst	
Note: ANGIECTASIS	TGLs = 2-8		
Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Hemosiderin, Mild
Stomach	Forestomach	Hyperplasia	Basal Cell, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 61

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 0.06% LF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Blood		Leukemia Mononuclear	Moderate
Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Minimal
		Leukemia Mononuclear	Moderate
		Necrosis	Focal, Minimal
Lung		Leukemia Mononuclear	Moderate
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
	Mesenteric	Leukemia Mononuclear	Moderate
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: FIBROADENOMA	TGLs = 1-13,2-14+14.1		
Note: GALACTOCELE	TGLs = 1-13		
Nose		Inflammation	Chronic, Mild
		Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 3-8		
Spleen		Leukemia Mononuclear	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 62

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 0.06% LF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Islets, Pancreatic  
Pancreas  
Skin  
Urinary Bladder

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Small - Duodenum  
Mammary Gland  
Parathyroid Gland  
Stomach - Glandular

Bone  
Esophagus  
Intestine Small - Ileum  
Nose  
Pituitary Gland  
Thymus

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Ovary  
Salivary Glands  
Trachea

MISSING

Intestine Large - Rectum

OBSERVATIONS

Blood  
Heart  
Kidney  
Liver

Leukemia Mononuclear  
Cardiomyopathy  
Nephropathy  
Basophilic Focus  
Hyperplasia  
Leukemia Mononuclear

Moderate  
Mild  
Minimal  
Marked  
Moderate

Bile Duct

Leukemia Mononuclear  
Infiltration Cellular  
Leukemia Mononuclear  
Leukemia Mononuclear  
Leukemia Mononuclear

Moderate  
Plasma Cell, Mild  
Moderate  
Moderate  
Moderate

Note: LEUKEMIA MONUC TGLs = 4-3

Lung  
Lymph Node

Mandibular  
Mandibular  
Mesenteric

Note: LEUKEMIA MONUC TGLs = 3-3.1

Stomach  
Thyroid Gland  
Uterus

Forestomach  
C Cell

Hyperplasia  
Hyperplasia  
Leiomyosarcoma

Basal Cell, Mild  
Minimal

Note: [ LEIOMYOSAR ] TGLs = 2-6.1

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 63

TRT#: 6

SEX: Female

DAY ON TEST: 562

DOSE: 0.06% LF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Mild
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Granuloma	Mild
		Hepatodiaphragmatic Nodule	
Note: ANOM HEPAT LOB TGLs = 6			
Lymph Node	Mesenteric	Granuloma	Mild
Nose		Inflammation	Chronic, Minimal
		Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 4-8			
Skin	Subcut Tiss	Fibroma	
Note: FIBROMA TGLs = 3-13			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 64

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 0.06% LF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

Bone  
Esophagus  
Intestine Small - Duodenum  
Mammary Gland  
Parathyroid Gland  
Thyroid Gland

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Nose  
Salivary Glands  
Trachea

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Ovary  
Stomach - Glandular  
Uterus

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Adrenal Gland  
Heart  
Kidney  
Liver

Cortex

Cytoplasmic Alteration  
Cardiomyopathy  
Nephropathy  
Basophilic Focus  
Granuloma

Focal, Mild  
Minimal  
Minimal  
Mild

Note: BASOPH FOCUS TGLs = 6

Lung  
Lymph Node  
Pituitary Gland

Peribronchial  
Mesenteric  
Pars Distalis  
Pars Distalis

Inflammation  
Granuloma  
Adenoma  
Cyst

Chronic, Mild  
Mild

Note: ADENOMA TGLs = 2-8

Skin

Note: FIBROMA TGLs = 1-6

Subcut Tiss

Fibroma

Spleen

Stomach

Urinary Bladder

Forestomach

Pigmentation  
Hyperplasia  
Inflammation

Hemosiderin, Moderate  
Basal Cell, Marked  
Chronic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 66

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 0.06% LF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Skin

OBSERVATIONS

Blood Vessel		Inflammation	Subacute, Marked
[ Inflammation TGLS = 1-13,3-2.1,5-8.1,6-9,7-8.1 ]			
Bone Marrow		Hyperplasia	Moderate
Kidney	Artery	Inflammation	Subacute, Marked
		Nephropathy	Minimal
Liver		Basophilic Focus	
		Necrosis	Focal, Minimal
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Congestion	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: FIBROADENOMA	TGLs = 2-14		
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Cyst	
Spleen		Hematopoietic Cell Proliferation	Marked

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 67

TRT#: 6

SEX: Female

DAY ON TEST: 655

DOSE: 0.06% LF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Clitoral Gland	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland
Ovary	Pancreas	Salivary Glands	Skin
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

INSUFFICIENT TISSUE

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Congestion	Mild
	Medulla	Leukemia Mononuclear	Marked
Note: CONGESTION	TGLs = 8-8		
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	Marked
[ Fatty Change TGLS = 7-3 ]			
Lung		Leukemia Mononuclear	Marked
[ Leukemia Mononuclear TGLS = 10-1 ]			
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Mild
	Mandibular	Leukemia Mononuclear	Marked
	Mediastinal	Leukemia Mononuclear	Marked
	Mesenteric	Leukemia Mononuclear	Marked
[ Leukemia Mononuclear TGLS = 4-2 ]			
Nose		Fungus	
		Inflammation	Acute, Mild
		Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST	TGLs = 9-8		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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**ANIMAL ID:** 67

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 655

**DOSE:** 0.06% LF

**DISP:** Moribund

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Spleen		Leukemia Mononuclear	Marked
[ Leukemia Mononuclear TGLS = 6-3.1 ]			
Stomach	Forestomach	Hyperplasia	Basal Cell, Minimal
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus		Leukemia Mononuclear	Marked
		Polyp Stromal	

Note: POLYP STROMAL TGLs = 5-6

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 68

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 0.06% LF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Eye	Retina	Degeneration	Moderate
Harderian Gland		Pigmentation	Minimal
Note: PIGMENT	TGLs = 1-13		
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver		Basophilic Focus	
		Granuloma	Mild
Lung		Congestion	Moderate
	Peribronchial	Inflammation	Chronic, Mild
[ Congestion TGLS = 7-1+2 ]			
Lymph Node	Mediastinal	Congestion	Marked
	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
Note: CONGESTION	TGLs = 6-2		
Nose		Metaplasia	Squamous, Mild
Ovary		Cyst	
Note: CYST	TGLs = 3-6		
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
Note: ADENOMA	TGLs = 8-8		
Skin		Squamous Cell Papilloma	
Note: PAPILOMA SQUA	TGLs = 2-13		
Spleen		Pigmentation	Hemosiderin, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 68	<b>TRT#:</b> 6 <b>DOSE:</b> 0.06% LF	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 736 <b>HISTO:</b>
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Thyroid Gland	C Cell	Hyperplasia	Minimal
Uterus	Endometrium	Hyperplasia Polyp Stromal	Cystic, Mild
Note: HYPERPLASIA	TGLs = 5-6		
Note: POLYP STROMAL	TGLs = 4-6		
<b>PRIMARY CAUSE OF DEATH</b>	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 71

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 0.06% LF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Pancreas  
Stomach - Forestomach  
Urinary Bladder

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Rectum  
Islets, Pancreatic  
Parathyroid Gland  
Stomach - Glandular

Bone  
Esophagus  
Intestine Small - Duodenum  
Mammary Gland  
Salivary Glands  
Thymus

Bone Marrow  
Heart  
Intestine Small - Ileum  
Ovary  
Skin  
Trachea

OBSERVATIONS

Intestine Large  
Kidney  
    Note: NEPHROPATHY   TGLs = 2-4  
Liver  
  
Lung  
  
    [ Congestion TGLS = 4-1+2 ]  
Lymph Node  
  
Nose  
Pituitary Gland  
    Note: ADENOMA       TGLs = 8-8  
Spleen  
Thyroid Gland  
    Note: CARCINOMA     TGLs = 3-8  
Uterus  
    Note: POLYP STROMAL   TGLs = 1-6

Colon  
  
Bile Duct  
  
Peribronchial  
  
Mesenteric  
Mandibular  
  
Pars Distalis  
  
C Cell

Parasite Metazoan  
Nephropathy  
  
Basophilic Focus  
Hyperplasia  
Congestion  
Inflammation  
  
Granuloma  
Infiltration Cellular  
Inflammation  
Adenoma  
  
Hematopoietic Cell Proliferation  
Carcinoma  
  
Polyp Stromal

Marked  
Marked  
  
Mild  
Mild  
Chronic, Mild  
  
Mild  
Plasma Cell, Moderate  
Acute, Mild  
  
Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

<b>ANIMAL ID:</b> 72	<b>TRT#:</b> 6 <b>DOSE:</b> 0.06% LF	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 736 <b>HISTO:</b>
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Mild
Clitoral Gland		Abscess	Marked
		Adenoma	
Note: ABSCESS	TGLs = 2-10		
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Granuloma	Marked
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 1-13		
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
Note: ADENOMA	TGLs = 4-8		
Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 73

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 0.06% LF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla  
Eye  
Intestine Small - Ileum  
Ovary  
Stomach - Forestomach  
Urinary Bladder

Brain  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Pancreas  
Stomach - Glandular

Clitoral Gland  
Intestine Large - Colon  
Islets, Pancreatic  
Parathyroid Gland  
Thyroid Gland

Esophagus  
Intestine Small - Duodenum  
Mammary Gland  
Salivary Glands  
Trachea

MISSING

Thymus

INSUFFICIENT TISSUE

Bone Marrow

OBSERVATIONS

Adrenal Gland  
Bone  
Harderian Gland  
Note: PIGMENT TGLs = 1-13  
Heart  
Intestine Large  
Kidney  
Liver  
Note: BASOPH FOCUS TGLs = 7-3  
Lung  
[ Congestion TGLS = 5-1+2 ]  
Lymph Node  
Note: ANGIECTASIS TGLs = 4-9  
Nose  
Note: ABSCESS TGLs = 6-12

Cortex  
Rectum  
Peribronchial  
Lymphatic, Mandibular  
Mesenteric  
Mandibular

Cytoplasmic Alteration  
Hyperostosis  
Pigmentation  
Cardiomyopathy  
Parasite Metazoan  
Nephropathy  
Basophilic Focus  
Congestion  
Inflammation  
Angiectasis  
Granuloma  
Infiltration Cellular  
Abscess  
Metaplasia

Focal, Mild  
Marked  
Moderate  
Moderate  
Marked  
Minimal  
Minimal  
Chronic, Mild  
Mild  
Mild  
Plasma Cell, Moderate  
Marked  
Squamous, Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 17:41:36  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 73	<b>TRT#:</b> 6 <b>DOSE:</b> 0.06% LF	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 736 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Pituitary Gland Note: ADENOMA TGLs = 9-8,10-8	Pars Distalis	Adenoma	
Skin Note: ABSCESS TGLs = 3-13		Abscess	Marked
Spleen		Hematopoietic Cell Proliferation	Marked
Uterus Note: DILATATION TGLs = 8-6	Endometrium	Dilatation Hyperplasia	Mild Cystic, Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 74

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 0.06% LF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Mammary Gland	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Uterus

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
Lung	Peribronchial	Inflammation	Chronic, Minimal
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Nose		Inflammation	Acute, Mild
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Focal, Mild
Note: [ HYPERPLASIA ] TGLs = 2-8			
Note: CYST TGLs = 1-8			
Spleen		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal
Urinary Bladder		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 75

TRT#: 6

SEX: Female

DAY ON TEST: 694

DOSE: 0.06% LF

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Lung	Lymph Node - Mandibular	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Uterus	

MISSING

Intestine Large - Cecum

AUTO PRECLUDES DIAG.

Intestine Small - Ileum	Intestine Small - Jejunum	Urinary Bladder
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OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Clitoral Gland		Abscess	Moderate
Note: ABSCESS	TGLs = 1-10		
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
Lymph Node	Mesenteric	Granuloma	Mild
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hemorrhage	Moderate
Note: HEMORRHAGE	TGLs = 4-8		
Spleen		Hematopoietic Cell Proliferation	Mild
Tissue NOS		Sarcoma	
Note: SARCOMA MAY BE MALIGNANT MESOTHELIOMA			
Note: SARCOMA	TGLs = 3-13		

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 78

TRT#: 6

DOSE: 0.06% LF

SEX: Female

DISP: Moribund

DAY ON TEST: 710

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Heart	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland
Nose	Ovary	Pancreas	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland Note: HYPERTROPHY TGLs = 4-8	Cortex	Hypertrophy	Mild
Bone Marrow		Myelofibrosis	Moderate
Clitoral Gland Note: INFLAMMATION TGLs = 1-10		Inflammation	Acute, Moderate
Intestine Large Note: PARASITE META TGLs = 6-7	Cecum	Parasite Metazoan	Moderate
Kidney Note: NEPHROPATHY TGLs = 5-4		Nephropathy	Marked
Liver	Bile Duct	Basophilic Focus Hyperplasia	Mild
Lung		Leukemia Mononuclear	Moderate
Lymph Node	Mesenteric	Leukemia Mononuclear Granuloma	Moderate
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
	Mandibular	Leukemia Mononuclear	Moderate
	Mesenteric	Leukemia Mononuclear Hyperplasia	Moderate
Parathyroid Gland Note: HYPERPLASIA TGLs = 2-8			Moderate
Pituitary Gland	Pars Distalis	Cyst	
Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	Moderate
Thyroid Gland	C Cell	Hyperplasia	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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**ANIMAL ID:** 78

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 710

**DOSE:** 0.06% LF

**DISP:** Moribund

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Uterus

Endometrium

Cyst

Note: CYST      TGLs = 3-6

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

<b>ANIMAL ID:</b> 79	<b>TRT#:</b> 6 <b>DOSE:</b> 0.06% LF	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 736 <b>HISTO:</b>
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Intestine Large	Rectum	Parasite Metazoan	Marked
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Granuloma	Mild
	Bile Duct	Hyperplasia	Minimal
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 3-8,4-8		
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus		Leiomyoma	
Note: [ LEIOMYOMA ]	TGLs = 1-6		

PRIMARY CAUSE OF DEATH	-
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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 80

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 0.06% LF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Clitoral Gland		Carcinoma	
Note: CARCINOMA	TGLs = 4-10.1		
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hyperplasia	Mild
		Leukemia Mononuclear	Moderate
		Necrosis	Focal, Mild
Note: HYPERPLASIA	TGLs = 10		
Note: LEUKEMIA MONUC	TGLs = 8-3		
Lung		Leukemia Mononuclear	Moderate
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Leukemia Mononuclear	Moderate
	Mesenteric	Leukemia Mononuclear	Moderate
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 1-13,2-14,3-15		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 9-8		
Spleen		Leukemia Mononuclear	Moderate
Uterus	Endometrium	Cyst	
		Thrombosis	
Note: THROMBUS	TGLs = 6-6,5-6.1		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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**ANIMAL ID:** 80

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 736

**DOSE:** 0.06% LF

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: CYST      TGLs = 7-6

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 81

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 0.06% LF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Atrophy	Mild
Brain		Hydrocephalus	Marked
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Granuloma	Marked
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Mesentery	Fat	Necrosis	Marked
Note: NECROSIS	TGLs = 2-13		
Nose		Fungus	
		Inflammation	Acute, Moderate
Ovary		Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 3-8		
Spleen		Pigmentation	Hemosiderin, Moderate
Uterus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 82

TRT#: 6

SEX: Female

DAY ON TEST: 670

DOSE: 0.06% LF

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Uterus		

AUTO PRECLUDES DIAG.

Eye	Intestine Small - Ileum	Lymph Node - Mesenteric	Thymus
Urinary Bladder			

OBSERVATIONS

Bone Marrow		Hyperplasia	Moderate
Clitoral Gland		Carcinoma	
Note: CARCINOMA	TGLs = 3-10		
Heart		Cardiomyopathy	Moderate
Intestine Large	Colon	Parasite Metazoan	Moderate
Kidney		Nephropathy	Minimal
Liver		Fatty Change	Moderate
		Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC	TGLs = 7-3		
Lung		Leukemia Mononuclear	Marked
Lymph Node	Mediastinal	Congestion	Moderate
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
	Mandibular	Leukemia Mononuclear	Marked
	Mediastinal	Leukemia Mononuclear	Marked
Note: CONGESTION	TGLs = 4-2		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 8-8		
Spleen		Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC	TGLs = 5-3.1		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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**ANIMAL ID:** 82

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 670

**DOSE:** 0.06% LF

**DISP:** Dead

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 83

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 0.06% LF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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
Ovary	Pancreas	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Adrenal Gland - Medulla	Parathyroid Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Mild
Clitoral Gland		Carcinoma	
Note: CARCINOMA	TGLs = 3-10,4-15		
Ear		Inflammation	Chronic, Moderate
Note: INFLAMMATION	TGLs = 10-13		
Eye	Cornea	Inflammation	Acute, Focal, Mild
Note: INFLAMMATION	TGLs = 2-14		
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC	TGLs = 9-3		
Lung		Congestion	Mild
		Leukemia Mononuclear	Moderate
[ Congestion TGLS = 8-1 ]			
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
	Mandibular	Leukemia Mononuclear	Moderate
	Mesenteric	Leukemia Mononuclear	Moderate
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: GALACTOCELE	TGLs = 5-17		
Note: FIBROADENOMA	TGLs = 1-16		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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**ANIMAL ID:** 83

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 736

**DOSE:** 0.06% LF

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Nose		Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Cyst	
Skin		Ulcer	Marked
Note: ULCER	TGLs = 4-15		
Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC	TGLs = 7-3		
Uterus		Thrombosis	
Note: THROMBUS	TGLs = 6-6		

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 84

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 0.06% LF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder		

MISSING

Intestine Large - Colon	Mammary Gland	Thymus
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OBSERVATIONS

Eye	Retina	Degeneration	Mild
Harderian Gland		Inflammation	Chronic, Mild
		Pigmentation	Moderate
Note: PIGMENT	TGLs = 1-13		
Heart		Cardiomyopathy	Moderate
Intestine Large	Rectum	Parasite Metazoan	Marked
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Granuloma	Moderate
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
Nose		Inflammation	Acute, Mild
		Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Marked
Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	C Cell	Hyperplasia	Marked
Uterus		Polyp Stromal	
Vagina		Cyst	
Note: CYST	TGLs = 2-6		

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 85

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 0.06% LF

DISP: Terminal Sacrifice

HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Islets, Pancreatic  
Parathyroid Gland  
Stomach - Glandular  
Uterus

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Small - Duodenum  
Lung  
Salivary Glands  
Thymus

Bone  
Esophagus  
Intestine Small - Ileum  
Nose  
Skin  
Trachea

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Ovary  
Stomach - Forestomach  
Urinary Bladder

**OBSERVATIONS**

Heart  
Intestine Large  
Kidney  
Liver  
Lymph Node  
  
Mammary Gland  
Note: FIBROADENOMA TGLs = 1-13  
Pancreas  
Pituitary Gland  
Spleen  
  
Thyroid Gland

Rectum  
  
Mesenteric  
Mandibular  
  
Acinus  
Pars Distalis  
  
C Cell

Cardiomyopathy  
Parasite Metazoan  
Nephropathy  
Basophilic Focus  
Granuloma  
Infiltration Cellular  
Fibroadenoma  
  
Atrophy  
Angiectasis  
Hematopoietic Cell Proliferation  
Pigmentation  
Hyperplasia

Mild  
Moderate  
Minimal  
  
Moderate  
Plasma Cell, Mild  
  
Focal, Mild  
Moderate  
Mild  
Hemosiderin, Moderate  
Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 86

TRT#: 6

SEX: Female

DAY ON TEST: 689

DOSE: 0.06% LF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Clitoral Gland	Esophagus
Eye	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland Note: PHEOCHROM BGN TGLs = 5-8	Medulla	Pheochromocytoma Benign	
Bone		Hyperostosis	
Brain		Hydrocephalus	Moderate
Harderian Gland Note: PIGMENT TGLs = 2-13		Pigmentation	Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver  Note: ANOM HEPAT LOB TGLs = 8		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
Lymph Node	Mandibular	Congestion	Moderate
	Mesenteric	Granuloma	Moderate
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Ovary Note: CYST TGLs = 4-6		Cyst	
Pituitary Gland Note: ADENOMA TGLs = 6-8	Pars Distalis	Adenoma	
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Stomach Note: ULCER TGLs = 7-7	Forestomach	Ulcer	Moderate
Thyroid Gland	C Cell	Hyperplasia	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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**ANIMAL ID:** 86

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 689

**DOSE:** 0.06% LF

**DISP:** Moribund

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 88

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 0.06% LF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

Adrenal Gland - Medulla  
Esophagus  
Intestine Small - Duodenum  
Ovary  
Stomach - Forestomach  
Urinary Bladder

Bone  
Intestine Large - Cecum  
Intestine Small - Ileum  
Parathyroid Gland  
Stomach - Glandular  
Uterus

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Salivary Glands  
Thymus

OBSERVATIONS

Blood  
Bone Marrow  
Heart  
Kidney

Renal Tubule

Leukemia Mononuclear  
Hyperplasia  
Cardiomyopathy  
Cyst  
Nephropathy

Moderate  
Mild  
Mild  
Minimal

Note: CYST TGLs = 4-4.1

Liver

Basophilic Focus  
Granuloma

Mild

Lung  
Lymph Node

Mesenteric  
Mandibular  
Mandibular  
Mesenteric

Leukemia Mononuclear  
Leukemia Mononuclear  
Granuloma  
Infiltration Cellular  
Leukemia Mononuclear  
Leukemia Mononuclear

Moderate  
Moderate  
Mild  
Plasma Cell, Moderate  
Moderate  
Moderate

Note: LEUKEMIA MONUC TGLs = 3-8

Mammary Gland

Fibroadenoma

Note: FIBROADENOMA TGLs = 1-13

Nose

Inflammation  
Metaplasia

Chronic, Moderate  
Squamous, Mild

Pancreas  
Pituitary Gland  
Spleen

Acinus  
Pars Distalis

Atrophy  
Adenoma  
Leukemia Mononuclear

Focal, Mild  
Moderate

[ Leukemia Mononuclear TGLS = 2-3 ]

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 88	<b>TRT#:</b> 6 <b>DOSE:</b> 0.06% LF	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 736 <b>HISTO:</b>
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Thyroid Gland	C Cell	Hyperplasia	Marked
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 89

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 0.06% LF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Mild
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Marked
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: FIBROADENOMA TGLs = 2-13,1-14+14.1			
Nose		Inflammation	Chronic, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 3-8			
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Stomach	Forestomach	Hyperplasia	Basal Cell, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 90

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 0.06% LF

DISP: Terminal Sacrifice

HISTO:

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	Lung	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Marked
	Medulla	Pheochromocytoma Benign	
Note: HYPERTROPHY	TGLs = 6-8		
Clitoral Gland		Inflammation	Acute, Marked
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Adenoma	
Note: [ ADENOMA ]	TGLs = 8-9		
Kidney		Nephropathy	Marked
Note: NEPHROPATHY	TGLs = 7-4		
Liver		Basophilic Focus	
Lymph Node	Mesenteric	Congestion	Marked
	Mandibular	Infiltration Cellular	Plasma Cell, Marked
Note: CONGESTION	TGLs = 5-8		
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 3-13		
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	C Cell	Carcinoma	
Note: CARCINOMA	TGLs = 4-8.1		
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

<b>ANIMAL ID:</b> 91	<b>TRT#:</b> 6 <b>DOSE:</b> 0.06% LF	<b>SEX:</b> Female <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 499 <b>HISTO:</b>
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland			
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OBSERVATIONS

Brain	Chor Plexus, Perivascular	Inflammation	Chronic, Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Granuloma	Moderate
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Marked
Nose		Inflammation	Acute, Marked
		Metaplasia	Squamous, Mild
Spleen		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH	-		
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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 92

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 0.06% LF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Pancreas  
Stomach - Glandular  
Uterus

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Colon  
Intestine Small - Jejunum  
Parathyroid Gland  
Thymus

Bone  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Salivary Glands  
Trachea

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Ovary  
Stomach - Forestomach  
Urinary Bladder

MISSING

Lymph Node - Mandibular

Lymph Node - Mesenteric

OBSERVATIONS

Kidney  
Liver  
  
Lung  
Mammary Gland  
Note: FIBROADENOMA TGLs = 2-14  
Mesentery  
Note: NECROSIS TGLs = 3-15  
Nose  
Pituitary Gland  
Note: ADENOMA TGLs = 4-8  
Skin  
Note: [ BASAL CEL ADEN ] TGLs = 1-13  
Spleen

Bile Duct  
  
Fat  
  
Pars Distalis  
  
C Cell

Nephropathy  
Basophilic Focus  
Hyperplasia  
Leukemia Mononuclear  
Alveolar/Bronchiolar Adenoma  
Fibroadenoma  
  
Necrosis  
  
Inflammation  
Adenoma  
  
Basal Cell Adenoma  
  
Hematopoietic Cell Proliferation  
Leukemia Mononuclear  
Pigmentation  
Hyperplasia

Mild  
  
Mild  
Mild  
  
Marked  
  
Chronic, Moderate  
  
Mild  
Mild  
Hemosiderin, Mild  
Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 93

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 0.06% LF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Pancreas  
Stomach - Forestomach  
Urinary Bladder

Bone  
Heart  
Intestine Small - Duodenum  
Lung  
Parathyroid Gland  
Stomach - Glandular

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Salivary Glands  
Thymus

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Ovary  
Skin  
Trachea

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland  
Clitoral Gland  
Note: CYST TGLs = 1-10  
Kidney  
Liver

Medulla  
  
Bile Duct  
  
Lymphatic, Mesenteric  
Mesenteric

Pheochromocytoma Benign  
Cyst  
  
Nephropathy  
Basophilic Focus  
Hyperplasia  
Necrosis  
Angiectasis  
Granuloma  
Inflammation  
Adenoma  
Cyst

Minimal  
  
Mild  
Focal, Minimal  
Mild  
Mild  
Chronic, Moderate

Nose  
Pituitary Gland  
  
Note: ADENOMA TGLs = 4-8

Pars Distalis  
Pars Distalis

Pigmentation  
Hyperplasia  
Polyp Stromal

Hemosiderin, Mild  
Moderate

Spleen  
Thyroid Gland  
Uterus  
Note: POLYP STROMAL TGLs = 2-6,3-6

C Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 94

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 0.06% LF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Mild
Heart		Cardiomyopathy	Mild
	Coron Artery	Inflammation	Chronic, Mild
Kidney		Nephropathy	Mild
Note: NEPHROPATHY	TGLs = 4-4		
Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
Note: ANOM HEPAT LOB	TGLs = 5-3		
Lymph Node	Lymphatic, Mesenteric	Angiectasis	Mild
	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
Note: ANGIECTASIS	TGLs = 3-8		
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 1-13+13.1		
Nose		Inflammation	Chronic, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Thymus		Cyst	Moderate
Thyroid Gland	C Cell	Hyperplasia	Minimal
Uterus		Polyp Stromal	
Note: POLYP STROMAL	TGLs = 6-6,2-6.1		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 95

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 0.06% LF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

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

Bone  
Esophagus  
Intestine Small - Duodenum  
Mammary Gland  
Stomach - Forestomach  
Uterus

Bone Marrow  
Heart  
Intestine Small - Ileum  
Parathyroid Gland  
Stomach - Glandular

MISSING

Thymus

OBSERVATIONS

Intestine Large  
Kidney  
Liver

Cecum

Parasite Metazoan  
Nephropathy  
Basophilic Focus  
Granuloma  
Hepatodiaphragmatic Nodule

Mild  
Minimal  
Mild

Note: ANOM HEPAT LOB TGLs = 3-3

Lung  
Lymph Node

Peribronchial  
Mesenteric  
Mandibular

Inflammation  
Granuloma  
Infiltration Cellular  
Inflammation  
Cyst

Chronic, Mild  
Mild  
Plasma Cell, Mild  
Chronic, Moderate

Nose  
Ovary

Note: CYST TGLs = 2-6

Pancreas  
Pituitary Gland  
Spleen

Acinus  
Pars Distalis

Atrophy  
Cyst  
Hematopoietic Cell Proliferation  
Pigmentation  
Hyperplasia

Focal, Mild  
Mild  
Hemosiderin, Moderate  
Minimal

Thyroid Gland

C Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 96

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 0.06% LF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Rectum  
Islets, Pancreatic  
Salivary Glands  
Uterus

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

Bone  
Intestine Large - Cecum  
Intestine Small - Ileum  
Ovary  
Stomach - Glandular

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

MISSING

Skin

OBSERVATIONS

Clitoral Gland  
Note: CYST      TGLs = 1-10

Cyst

Heart  
Kidney  
Liver

Cardiomyopathy  
Nephropathy  
Basophilic Focus  
Leukemia Mononuclear  
Necrosis

Mild  
Minimal

Lung  
Lymph Node

Peribronchial  
Mesenteric  
Mandibular

Inflammation  
Granuloma  
Infiltration Cellular  
Inflammation

Focal, Minimal  
Chronic, Mild  
Moderate  
Plasma Cell, Moderate  
Chronic, Moderate

Nose  
Pancreas  
Pituitary Gland  
Spleen

Acinus  
Pars Distalis

Atrophy  
Adenoma  
Hematopoietic Cell Proliferation  
Leukemia Mononuclear  
Pigmentation

Focal, Mild

Thymus  
Thyroid Gland  
Urinary Bladder

C Cell

Cyst  
Hyperplasia  
Inflammation

Mild  
Mild  
Hemosiderin, Mild  
Minimal  
Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

<b>ANIMAL ID:</b> 98	<b>TRT#:</b> 6 <b>DOSE:</b> 0.06% LF	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 736 <b>HISTO:</b>
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Ovary	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Heart		Cardiomyopathy	Moderate
Intestine Large	Colon	Parasite Metazoan	Marked
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC TGLs = 2-3			
Lung		Leukemia Mononuclear	Moderate
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
	Mandibular	Leukemia Mononuclear	Moderate
	Mesenteric	Leukemia Mononuclear	Moderate
Mammary Gland		Adenocarcinoma	
		Fibroadenoma	
Note: ADENOCARC TGLs = 3-13			
Note: FIBROADENOMA TGLs = 1-14			
Nose		Inflammation	Acute, Mild
Pancreas	Acinus	Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 4-8			
Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	Moderate
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 99

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 0.06% LF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Esophagus	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Uterus	

MISSING

Clitoral Gland

OBSERVATIONS

Adrenal Gland Note: PHEOCHROM BGN TGLs = 2-8	Medulla	Pheochromocytoma Benign	
Blood		Leukemia Mononuclear	Moderate
Heart		Cardiomyopathy	Mild
Intestine Large	Cecum	Parasite Metazoan	Mild
Kidney		Nephropathy	Minimal
Liver  Note: ANOM HEPAT LOB TGLs = 3-3		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	Moderate
Lung		Leukemia Mononuclear	Moderate
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
	Mesenteric	Leukemia Mononuclear	Moderate
Mammary Gland  Note: FIBROADENOMA TGLs = 1-13		Fibroadenoma	
		Galactocele	
Pituitary Gland Note: ADENOMA TGLs = 4-8	Pars Distalis	Adenoma	
Spleen		Leukemia Mononuclear	Moderate
Urinary Bladder		Inflammation	Chronic, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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**ANIMAL ID:** 99

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 736

**DOSE:** 0.06% LF

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 100

TRT#: 6

SEX: Female

DAY ON TEST: 716

DOSE: 0.06% LF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
		Myelofibrosis	Mild
Clitoral Gland		Abscess	Moderate
		Carcinoma	
Note: CARCINOMA	TGLs = 4-10		
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Marked
Note: NEPHROPATHY	TGLs = 7-4,8-4		
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
Lymph Node	Mesenteric	Granuloma	Mild
Mammary Gland		Abscess	Moderate
		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 3-13+13.1		
Pancreas	Acinus	Atrophy	Focal, Minimal
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Focal, Mild
Note: CYST	TGLs = 9-8		
Spleen		Hematopoietic Cell Proliferation	Mild
Stomach	Forestomach	Ulcer	Marked
Thyroid Gland	C Cell	Adenoma	
Uterus		Polyp Stromal	
Note: POLYP STROMAL	TGLs = 5-6		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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**ANIMAL ID:** 100

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 716

**DOSE:** 0.06% LF

**DISP:** Moribund

**HISTO:**

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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: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 101

TRT#: 6

SEX: Female

DAY ON TEST: 581

DOSE: 0.06% LF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

Adrenal Gland - Medulla  
Heart  
Intestine Small - Duodenum  
Mammary Gland  
Parathyroid Gland  
Thymus

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

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

OBSERVATIONS

Bone Marrow  
Brain  
Kidney  
Note: NEPHROPATHY TGLs = 7-4,8-4  
Liver

Hyperplasia  
Hydrocephalus  
Nephropathy  
Fatty Change  
Leukemia Mononuclear

Moderate  
Mild  
Mild  
Marked  
Moderate

Note: FATTY CHANGE TGLs = 9-3  
Lung  
Note: LEUKEMIA MONUC TGLs = 5-1  
Lymph Node  
Mediastinal  
Mandibular  
Mesenteric

Leukemia Mononuclear  
Congestion  
Infiltration Cellular  
Leukemia Mononuclear

Moderate  
Mild  
Plasma Cell, Mild  
Moderate

Note: CONGESTION TGLs = 4-1  
Pituitary Gland  
Note: ADENOMA TGLs = 10-8  
Spleen  
Note: LEUKEMIA MONUC TGLs = 6-3

Pars Distalis

Adenoma  
Leukemia Mononuclear

Moderate

Stomach  
Thyroid Gland  
Forestomach  
C Cell

Hyperplasia  
Hyperplasia

Basal Cell, Mild  
Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 102

TRT#: 6

SEX: Female

DAY ON TEST: 689

DOSE: 0.06% LF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Esophagus	Eye	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Kidney	Lung	Lymph Node - Mandibular	Mesentery
Ovary	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Adrenal Gland - Medulla	Islets, Pancreatic	Pancreas	
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OBSERVATIONS

Clitoral Gland		Cyst	
Note: CYST	TGLs = 2-10		
Harderian Gland		Pigmentation	Mild
Intestine Large	Rectum	Parasite Metazoan	Mild
Liver		Basophilic Focus	
Lymph Node	Mesenteric	Granuloma	Moderate
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 1-13		
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Cyst	
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 104

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 0.06% LF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Trachea
Urinary Bladder	Uterus		

MISSING

Thymus

OBSERVATIONS

Clitoral Gland			Cyst	
Note: CYST	TGLs = 2-10			
Intestine Large	Colon		Parasite Metazoan	Marked
	Rectum		Parasite Metazoan	Mild
Kidney			Nephropathy	Minimal
Liver			Basophilic Focus	
			Leukemia Mononuclear	Moderate
[ Basophilic Focus TGLS = 4-3 ]				
Lung			Leukemia Mononuclear	Moderate
Lymph Node	Mesenteric		Granuloma	Moderate
	Mandibular		Infiltration Cellular	Plasma Cell, Moderate
	Mandibular		Leukemia Mononuclear	Moderate
	Mesenteric		Leukemia Mononuclear	Moderate
Mammary Gland			Fibroadenoma	
			Galactocele	
Note: GALACTOCELE	TGLs = 1-13			
Nose			Inflammation	Chronic, Moderate
Pituitary Gland	Pars Distalis		Adenoma	
	Pars Distalis		Cyst	
Note: ADENOMA	TGLs = 5-8			
Spleen			Leukemia Mononuclear	Moderate

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 104	<b>TRT#:</b> 6 <b>DOSE:</b> 0.06% LF	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 736 <b>HISTO:</b>
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
[ Leukemia Mononuclear TGLS = 3-3 ]			
Thyroid Gland	C Cell	Hyperplasia	Mild
<b>PRIMARY CAUSE OF DEATH</b>	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 105

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 0.06% LF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Parathyroid Gland  
Thymus

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

Bone  
Heart  
Intestine Small - Duodenum  
Ovary  
Stomach - Forestomach  
Urinary Bladder

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Pancreas  
Stomach - Glandular

MISSING

Skin

OBSERVATIONS

Clitoral Gland  
Kidney  
Liver  
Lung  
Lymph Node  
  
Mammary Gland  
Note: FIBROADENOMA TGLs = 1-13  
Nose  
Pituitary Gland  
Note: ADENOMA TGLs = 2-8  
Spleen  
  
Thyroid Gland  
Uterus  
Note: POLYP STROMAL TGLs = 3-6

Peribronchial  
Mesenteric  
Mandibular  
  
  
  
  
  
  
Pars Distalis  
  
  
  
C Cell

Inflammation  
Nephropathy  
Basophilic Focus  
Inflammation  
Granuloma  
Infiltration Cellular  
Fibroadenoma  
  
Inflammation  
Adenoma  
  
Hematopoietic Cell Proliferation  
Pigmentation  
Adenoma  
Polyp Stromal

Chronic, Mild  
Mild  
  
Chronic, Mild  
Mild  
Plasma Cell, Moderate  
  
Chronic, Moderate  
  
Mild  
Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 106

TRT#: 6

SEX: Female

DAY ON TEST: 627

DOSE: 0.06% LF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Clitoral Gland	Lymph Node - Mandibular
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OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
Note: ANOM HEPAT LOB TGLs = 7			
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Granuloma	Mild
Mammary Gland		Fibroadenoma	Multiple
Note: [ FIBROADENOMA ] TGLs = 2-13			
Nose		Inflammation	Chronic, Mild
		Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST TGLs = 5-8			
Spleen		Hematopoietic Cell Proliferation	Mild
Stomach	Forestomach, Submucosa	Edema	Mild
	Forestomach, Perivascular	Inflammation	Chronic, Mild
Note: EDEMA TGLs = 6-7			
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:36

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 107

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 0.06% LF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Clitoral Gland  
Intestine Large - Rectum  
Islets, Pancreatic  
Stomach - Forestomach  
Trachea

Bone  
Esophagus  
Intestine Small - Duodenum  
Nose  
Stomach - Glandular

Bone Marrow  
Eye  
Intestine Small - Ileum  
Ovary  
Thymus

Brain  
Heart  
Intestine Small - Jejunum  
Salivary Glands  
Thyroid Gland

MISSING

Skin

INSUFFICIENT TISSUE

Adrenal Gland - Medulla

Parathyroid Gland

OBSERVATIONS

Intestine Large

Cecum  
Colon

Parasite Metazoan  
Parasite Metazoan

Mild  
Mild

Note: PARASITE META TGLs = 8

Kidney  
Liver

Nephropathy  
Basophilic Focus  
Granuloma  
Hepatodiaphragmatic Nodule

Minimal  
Mild

Note: ANOM HEPAT LOB TGLs = 7

Lung  
Lymph Node

Peribronchial  
Mesenteric  
Mandibular

Inflammation  
Granuloma  
Infiltration Cellular  
Fibroadenoma

Chronic, Mild  
Mild  
Plasma Cell, Mild

Mammary Gland

Note: FIBROADENOMA TGLs = 2-14,3-15

Pancreas  
Pituitary Gland  
Spleen

Acinus  
Pars Distalis

Atrophy  
Adenoma  
Hematopoietic Cell Proliferation  
Pigmentation  
Inflammation  
Dilatation

Focal, Mild  
Moderate  
Hemosiderin, Mild  
Chronic, Mild  
Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:36

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

**Lab:** TSI MASON

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**ANIMAL ID:** 107

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 736

**DOSE:** 0.06% LF

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: DILATATION      TGLs = 4-6

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 108

TRT#: 6

SEX: Female

DAY ON TEST: 501

DOSE: 0.06% LF

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Clitoral Gland  
Intestine Large - Colon  
Liver  
Ovary  
Skin  
Thyroid Gland

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Lung  
Pancreas  
Stomach - Forestomach  
Trachea

Bone  
Heart  
Intestine Small - Duodenum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Stomach - Glandular  
Uterus

Bone Marrow  
Intestine Large - Cecum  
Islets, Pancreatic  
Nose  
Salivary Glands  
Thymus

MISSING

Lymph Node - Mandibular

AUTO PRECLUDES DIAG.

Intestine Small - Ileum

Intestine Small - Jejunum

Urinary Bladder

OBSERVATIONS

Brain  
Kidney  
Mammary Gland  
Note: ECTASIA TGLs = 1-13  
Pituitary Gland  
Note: HEMORRHAGE TGLs = 2-8  
Note: ADENOMA TGLs = 2-8  
Spleen

Pars Distalis  
Pars Distalis

Hydrocephalus  
Nephropathy  
Ectasia  
Adenoma  
Hemorrhage  
Pigmentation

Mild  
Minimal  
Marked  
Marked  
Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 111

TRT#: 6

DOSE: 0.06% LF

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 736

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Brain	Clitoral Gland
Esophagus	Eye	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mammary Gland	Ovary	Pancreas	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland Note: PHEOCHROM BGN TGLs = 2-8	Medulla	Pheochromocytoma Benign	
Bone		Hyperostosis	
Harderian Gland Note: PIGMENT TGLs = 1-13		Pigmentation	Mild
Heart		Cardiomyopathy	Mild
Intestine Large	Cecum	Parasite Metazoan	Moderate
Kidney		Nephropathy	Moderate
Liver		Basophilic Focus	
		Granuloma	Mild
		Hepatodiaphragmatic Nodule	
Note: ANOM HEPAT LOB TGLs = 5-3,3-3.1			
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Nose		Inflammation	Chronic, Moderate
Parathyroid Gland		Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Focal, Mild
Note: CYST TGLs = 4-8			
Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 112

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 0.06% LF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Ovary  
Stomach - Forestomach  
Urinary Bladder

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Colon  
Intestine Small - Jejunum  
Parathyroid Gland  
Stomach - Glandular  
Uterus

Bone  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Salivary Glands  
Thymus

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Mammary Gland  
Skin  
Trachea

OBSERVATIONS

Kidney  
Liver

Nephropathy  
Basophilic Focus  
Granuloma  
Hyperplasia

Minimal  
  
Marked  
Mild

Note: GRANULOMA TGLs = 2

Lung  
Lymph Node

Bile Duct  
  
Peribronchial  
Mesenteric  
Mandibular

Inflammation  
Granuloma  
Infiltration Cellular  
Inflammation  
Metaplasia  
Atrophy  
Adenoma

Chronic, Mild  
Mild  
Plasma Cell, Mild  
Chronic, Moderate  
Squamous, Mild  
Focal, Mild

Pancreas  
Pituitary Gland  
Note: ADENOMA TGLs = 1-8  
Spleen

Acinus  
Pars Distalis

Hematopoietic Cell Proliferation  
Pigmentation  
Adenoma  
Hyperplasia

Mild  
Hemosiderin, Moderate  
  
Mild

Thyroid Gland

Follicular Cel  
C Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 113

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 0.06% LF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Esophagus

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Ovary

Parathyroid Gland

Salivary Glands

Skin

Stomach - Forestomach

Stomach - Glandular

Thymus

Trachea

Urinary Bladder

OBSERVATIONS

Blood

Leukemia Mononuclear

Moderate

Clitoral Gland

Carcinoma

Note: CARCINOMA TGLs = 1-10

Heart

Cardiomyopathy

Mild

Intestine Large

Cecum

Parasite Metazoan

Mild

Kidney

Nephropathy

Moderate

Note: NEPHROPATHY TGLs = 5-4

Liver

Basophilic Focus

Bile Duct

Hyperplasia

Mild

Leukemia Mononuclear

Moderate

Lung

Leukemia Mononuclear

Moderate

Lymph Node

Mesenteric

Granuloma

Mild

Mandibular

Leukemia Mononuclear

Moderate

Mesenteric

Leukemia Mononuclear

Moderate

Mammary Gland

Fibroadenoma

Note: FIBROADENOMA TGLs = 2-13

Nose

Inflammation

Chronic, Mild

Pancreas

Acinus

Atrophy

Focal, Minimal

Pituitary Gland

Pars Distalis

Cyst

Pars Distalis

Hyperplasia

Focal, Mild

Spleen

Leukemia Mononuclear

Moderate

[ Leukemia Mononuclear TGLS = 4-3 ]

Thyroid Gland

C Cell

Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:37

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

**Lab:** TSI MASON

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**ANIMAL ID:** 113

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 736

**DOSE:** 0.06% LF

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Uterus

Polyp Stromal

Note: POLYP STROMAL TGLs = 3-6

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 114

TRT#: 6

SEX: Female

DAY ON TEST: 576

DOSE: 0.06% LF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Islets, Pancreatic  
Skin  
Thyroid Gland

Adrenal Gland - Medulla  
Esophagus  
Intestine Small - Duodenum  
Ovary  
Stomach - Forestomach  
Trachea

Bone  
Eye  
Intestine Small - Ileum  
Parathyroid Gland  
Stomach - Glandular  
Urinary Bladder

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Salivary Glands  
Thymus  
Uterus

MISSING

Clitoral Gland

OBSERVATIONS

Harderian Gland  
Note: PIGMENT TGLs = 2-10

Pigmentation Mild

Heart  
Intestine Large Rectum  
Kidney  
Liver

Cardiomyopathy Mild  
Parasite Metazoan Mild  
Nephropathy Minimal  
Basophilic Focus

Lung Peribronchial  
Lymph Node Mesenteric  
Mandibular

Granuloma Mild  
Inflammation Chronic, Mild  
Granuloma Mild  
Infiltration Cellular Plasma Cell, Moderate

Mammary Gland  
Note: FIBROADENOMA TGLs = 3-13  
Nose

Fibroadenoma  
Inflammation Chronic, Moderate  
Metaplasia Squamous, Moderate

Pancreas Acinus  
Pituitary Gland Pars Distalis  
Pars Distalis

Atrophy Focal, Mild  
Adenoma  
Cyst

Note: ADENOMA TGLs = 4-8  
Spleen

Hematopoietic Cell Proliferation Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 115

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 0.06% LF

DISP: Terminal Sacrifice

HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Mammary Gland	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

**OBSERVATIONS**

Heart		Cardiomyopathy	Moderate
Intestine Large	Cecum	Parasite Metazoan	Marked
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Intermed	Cyst	
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 116

TRT#: 6

SEX: Female

DAY ON TEST: 618

DOSE: 0.06% LF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Clitoral Gland
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Mammary Gland	Nose	Ovary
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Mild
Bone Marrow		Hyperplasia	Moderate
Kidney		Nephropathy	Mild
Note: NEPHROPATHY	TGLs = 5-4,6-4		
Liver		Fatty Change	Moderate
		Granuloma	Mild
		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC	TGLs = 4-3		
Lung		Leukemia Mononuclear	Moderate
Lymph Node	Renal	Angiectasis	Moderate
	Mediastinal	Granuloma	Moderate
	Mesenteric	Granuloma	Moderate
	Renal	Granuloma	Moderate
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
	Mandibular	Leukemia Mononuclear	Moderate
	Mediastinal	Leukemia Mononuclear	Moderate
	Mesenteric	Leukemia Mononuclear	Moderate
	Renal	Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC	TGLs = 9-13		
Note: LEUKEMIA MONUC	TGLs = 8-8		
Note: LEUKEMIA MONUC	TGLs = 3-1		
Note: ANGIECTASIS	TGLs = 10-14		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:37

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

**Lab:** TSI MASON

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**ANIMAL ID:** 116

**TRT#:** 6

**DOSE:** 0.06% LF

**SEX:** Female

**DISP:** Moribund

**DAY ON TEST:** 618

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Pancreas	Acinus	Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 7-8			
Spleen		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC TGLs = 2-3			
Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Marked

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 117

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 0.06% LF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Eye
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea			

MISSING

Urinary Bladder

OBSERVATIONS

Intestine Large	Rectum	Parasite Metazoan	Marked
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Granuloma	Moderate
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 2-13+13.1		
Nose		Inflammation	Chronic, Moderate
		Metaplasia	Squamous, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
Note: CYST	TGLs = 5-8		
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal
Uterus		Polyp Stromal	
Note: POLYP STROMAL	TGLs = 3-6,4-6		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 118

TRT#: 6

DOSE: 0.06% LF

SEX: Female

DISP: Moribund

DAY ON TEST: 644

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland Note: PHEOCHROM MAL TGLs = 5-8	Medulla	Pheochromocytoma Malignant	
Bone Marrow		Hyperplasia	Mild
Brain		Hydrocephalus	Mild
Clitoral Gland Note: CYST TGLs = 3-10		Cyst	
Kidney		Nephropathy	Minimal
Liver  Note: HYPERPLASIA TGLs = 4-3.1 Note: GRANULOMA TGLs = 7		Granuloma Hyperplasia	Marked Focal, Marked
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Marked
Mammary Gland  Note: FIBROADENOMA TGLs = 1-13		Fibroadenoma Galactocele	
Pituitary Gland Note: ADENOMA TGLs = 6-8	Pars Distalis	Adenoma	
Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	Bilateral, C Cell	Adenoma	
Uterus	Serosa	Inflammation Prolapse	Acute, Marked

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:37

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

**Lab:** TSI MASON

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**ANIMAL ID:** 118

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 644

**DOSE:** 0.06% LF

**DISP:** Moribund

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: PROLAPSE      TGLs = 2-6

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 119

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 0.06% LF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Bone

Brain

Clitoral Gland

Esophagus

Heart

Intestine Large - Cecum

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Pancreas

Salivary Glands

Skin

Stomach - Glandular

Trachea

MISSING

Parathyroid Gland

Thymus

OBSERVATIONS

Adrenal Gland

Medulla

Leukemia Mononuclear

Marked

Blood

Leukemia Mononuclear

Marked

Note: LEUKEMIA MONUC TGLs = 4-15

Bone Marrow

Hyperplasia

Moderate

Leukemia Mononuclear

Marked

Intestine Large

Colon

Parasite Metazoan

Mild

Kidney

Nephropathy

Minimal

Liver

Fatty Change

Moderate

Leukemia Mononuclear

Marked

[ Fatty Change TGLS = 8-3 ]

Lung

Leukemia Mononuclear

Marked

Lymph Node

Mandibular

Infiltration Cellular

Plasma Cell, Marked

Lumbar

Leukemia Mononuclear

Marked

Mandibular

Leukemia Mononuclear

Marked

Mediastinal

Leukemia Mononuclear

Marked

Mesenteric

Leukemia Mononuclear

Marked

Note: LEUKEMIA MONUC TGLs = 5-2

Note: LEUKEMIA MONUC TGLs = 7-8

Note: LEUKEMIA MONUC TGLs = 9-14

Mammary Gland

Fibroadenoma

Galactocele

Note: GALACTOCELE TGLs = 2-13

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 17:41:37  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 119	<b>TRT#:</b> 6 <b>DOSE:</b> 0.06% LF	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 736 <b>HISTO:</b>
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Nose	Respirat Epith	Degeneration	Hyaline, Mild
Ovary		Atrophy	Moderate
Pituitary Gland	Pars Distalis	Cyst	
		Leukemia Mononuclear	Marked
Spleen		Leukemia Mononuclear	Marked
[ Leukemia Mononuclear TGLS = 3-3 ]			
Stomach	Forestomach	Ulcer	Marked
Note: ULCER			
TGLs = 10-7			
Thyroid Gland	C Cell	Hyperplasia	Mild
Tooth		Leukemia Mononuclear	Marked
Urinary Bladder		Inflammation	Chronic, Mild
Uterus		Atrophy	Moderate
<hr/>			
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 120

TRT#: 6

SEX: Female

DAY ON TEST: 626

DOSE: 0.06% LF

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Rectum  
Ovary  
Stomach - Forestomach  
Uterus

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Small - Duodenum  
Parathyroid Gland  
Stomach - Glandular

Bone  
Esophagus  
Intestine Small - Jejunum  
Salivary Glands  
Thymus

Bone Marrow  
Intestine Large - Colon  
Islets, Pancreatic  
Skin  
Trachea

AUTO PRECLUDES DIAG.

Intestine Large - Cecum

Intestine Small - Ileum

Urinary Bladder

OBSERVATIONS

Heart  
Kidney  
Liver  
    Note: HYPERPLASIA   TGLs = 5-3  
Lung  
Lymph Node  
  
Mammary Gland  
    Note: ECTASIA       TGLs = 4-10  
Nose  
Pancreas  
Pituitary Gland  
    Note: ADENOMA       TGLs = 6-8  
Spleen  
  
Thyroid Gland  
    Note: CARCINOMA     TGLs = 7-8

Mesenteric  
Mandibular  
  
  
  
  
  
  
  
  
  
C Cell

Cardiomyopathy  
Nephropathy  
Hyperplasia  
  
Congestion  
Granuloma  
Infiltration Cellular  
Ectasia  
  
Metaplasia  
Atrophy  
Adenoma  
  
Congestion  
Pigmentation  
Carcinoma

Mild  
Minimal  
Focal, Marked  
  
Marked  
Moderate  
Plasma Cell, Moderate  
Marked  
  
Squamous, Mild  
Focal, Moderate  
  
Marked  
Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 121

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 0.3% MF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Nose
Ovary	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Uterus

MISSING

Clitoral Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Medulla	Leukemia Mononuclear	Marked
Blood		Leukemia Mononuclear	Marked
Bone		Hyperostosis	
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Minimal
Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	Marked
Lung		Leukemia Mononuclear	Marked
		[ Leukemia Mononuclear TGLS = 6-1+2 ]	
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Marked
	Mandibular	Leukemia Mononuclear	Marked
	Mediastinal	Leukemia Mononuclear	Marked
	Mesenteric	Leukemia Mononuclear	Marked
		[ Leukemia Mononuclear TGLS = 5-2 ]	
		[ Leukemia Mononuclear TGLS = 4-9 ]	
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: GALACTOCELE	TGLs = 1,2-13+14		
Note: FIBROADENOMA	TGLs = 1,2-13+14		
Mesentery	Fat	Necrosis	Marked
Note: NECROSIS	TGLs = 10-15		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:37

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

**Lab:** TSI MASON

**ANIMAL ID:** 121

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 0.3% MF

**DISP:** Terminal Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Pancreas Note: EDEMA TGLs = 7-9		Edema	Mild
Pituitary Gland Note: [ ANGIECTASIS ] TGLs = 9-8	Pars Distalis Pars Distalis	Angiectasis Cyst	Mild
Spleen Note: LEUKEMIA MONUC TGLs = 8-3.1		Leukemia Mononuclear	Marked
Thymus		Leukemia Mononuclear	Marked
Urinary Bladder	Transit Epithe	Hyperplasia	Focal, Moderate
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 122

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 0.3% MF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Intestine Large - Cecum	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Nose	Ovary	Pancreas	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Trachea
Urinary Bladder	Uterus		

MISSING

Clitoral Gland	Parathyroid Gland	Thymus
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OBSERVATIONS

Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Necrosis	Focal, Minimal
Lung		Congestion	Mild
	Peribronchial	Inflammation	Chronic, Mild
[ Congestion TGLS = 2-1+2 ]			
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Mammary Gland		Adenocarcinoma	
		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-13			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 3-8			
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 123

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 0.3% MF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Heart  
Intestine Small - Jejunum  
Mammary Gland  
Salivary Glands  
Thyroid Gland

Bone Marrow  
Intestine Large - Colon  
Islets, Pancreatic  
Ovary  
Skin  
Trachea

Brain  
Intestine Small - Duodenum  
Lung  
Pancreas  
Stomach - Forestomach  
Urinary Bladder

Esophagus  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Stomach - Glandular  
Uterus

MISSING

Clitoral Gland                      Thymus

OBSERVATIONS

Adrenal Gland  
Bone  
Intestine Large  
  
Kidney  
Liver

Medulla  
  
Cecum  
Rectum

Pheochromocytoma Benign  
Hyperostosis  
Parasite Metazoan  
Parasite Metazoan  
Nephropathy  
Basophilic Focus  
Necrosis  
Infiltration Cellular  
Metaplasia  
Carcinoma

Moderate  
Moderate  
Moderate  
  
Focal, Minimal  
Plasma Cell, Mild  
Squamous, Mild

Pituitary Gland  
Note: CARCINOMA      TGLs = 2-8  
Spleen

Pars Distalis

Pigmentation                      Hemosiderin, Moderate

[ Pigmentation TGLS = 1-3 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 124

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 0.3% MF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Blood		Leukemia Mononuclear	Moderate
Bone Marrow		Hyperplasia	Minimal
Clitoral Gland		Carcinoma	
Note: CARCINOMA	TGLs = 1-10.1		
Heart		Cardiomyopathy	Mild
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	Moderate
Lung		Leukemia Mononuclear	Moderate
[ Leukemia Mononuclear TGLS = 2-1+2 ]			
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
	Mandibular	Leukemia Mononuclear	Moderate
	Mesenteric	Leukemia Mononuclear	Moderate
Nose		Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Leukemia Mononuclear	Moderate
[ Leukemia Mononuclear TGLS = 3-3.1 ]			
Uterus		Polyp Stromal	
Note: POLYP STROMAL	TGLs = 4-6		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:37

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

**Lab:** TSI MASON

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**ANIMAL ID:** 124

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 0.3% MF

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 125

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 0.3% MF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Clitoral Gland		Adenoma	
Note: ADENOMA	TGLs = 1-10		
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Nose		Metaplasia	Squamous, Mild
Ovary		Cyst	
Note: CYST	TGLs = 2-6		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 3-8		
Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 126

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 0.3% MF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Ovary  
Skin  
Trachea

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Rectum  
Islets, Pancreatic  
Pancreas  
Stomach - Forestomach  
Urinary Bladder

Bone  
Esophagus  
Intestine Small - Duodenum  
Lung  
Parathyroid Gland  
Stomach - Glandular  
Uterus

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

OBSERVATIONS

Heart  
Kidney  
Liver

Cardiomyopathy  
Nephropathy  
Basophilic Focus  
Hepatodiaphragmatic Nodule  
Necrosis

Mild  
Mild  
  
Focal, Minimal

Note: ANOM HEPAT LOB TGLs = 1-3

Lymph Node

Mesenteric  
Mandibular  
Fat

Granuloma  
Infiltration Cellular  
Necrosis

Mild  
Plasma Cell, Mild  
Marked

Mesentery

Note: NECROSIS TGLs = 2-6

Nose

Pituitary Gland

Pars Distalis  
Pars Distalis

Inflammation  
Adenoma  
Cyst

Chronic, Moderate

Spleen

Hematopoietic Cell Proliferation  
Pigmentation  
Hyperplasia

Mild  
Hemosiderin, Mild  
Mild

Thyroid Gland

C Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 127

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 0.3% MF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Clitoral Gland		Carcinoma	
Note: CARCINOMA	TGLs = 2-10.1		
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Congestion	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 1-10		
Nose		Inflammation	Chronic, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
Note: ADENOMA	TGLs = 3-8		
Spleen		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 128

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 0.3% MF

DISP: Terminal Sacrifice

HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Islets, Pancreatic  
Skin  
Thyroid Gland

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Small - Duodenum  
Ovary  
Stomach - Forestomach  
Trachea

Bone  
Esophagus  
Intestine Small - Ileum  
Pancreas  
Stomach - Glandular  
Uterus

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Salivary Glands  
Thymus

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Heart  
Intestine Large  
Kidney  
Liver

Rectum

Cardiomyopathy  
Parasite Metazoan  
Nephropathy  
Basophilic Focus  
Hyperplasia  
Inflammation  
Granuloma  
Infiltration Cellular  
Fibroadenoma  
Galactocele

Moderate  
Mild  
Moderate

Lung  
Lymph Node

Peribronchial  
Mesenteric  
Mandibular

Inflammation  
Chronic, Mild  
Moderate  
Plasma Cell, Mild

Focal, Moderate  
Chronic, Mild  
Moderate  
Plasma Cell, Mild

Mammary Gland

Fibroadenoma  
Galactocele

Note: FIBROADENOMA TGLs = 1-10

Nose  
Pituitary Gland

Pars Distalis  
Pars Distalis

Inflammation  
Adenoma  
Cyst

Chronic, Moderate

Spleen  
Urinary Bladder

Artery

Pigmentation  
Inflammation

Hemosiderin, Moderate  
Chronic, Marked

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 131

TRT#: 7

DOSE: 0.3% MF

SEX: Female

DISP: Moribund

DAY ON TEST: 715

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Eye

Intestine Small - Duodenum

Mammary Gland

Salivary Glands

Thyroid Gland

Adrenal Gland - Medulla

Intestine Large - Cecum

Intestine Small - Ileum

Ovary

Skin

Trachea

Brain

Intestine Large - Colon

Intestine Small - Jejunum

Pancreas

Stomach - Forestomach

Uterus

Esophagus

Intestine Large - Rectum

Islets, Pancreatic

Parathyroid Gland

Stomach - Glandular

MISSING

Thymus

INSUFFICIENT TISSUE

Bone Marrow

OBSERVATIONS

Bone

Clitoral Gland

Note: CYST TGLs = 3-10

Harderian Gland

Note: PIGMENT TGLs = 1-13

Heart

Kidney

Liver

Lung

Lymph Node

Peribronchial

Mandibular

Mesenteric

Mandibular

Note: CONGESTION TGLs = 4-9

Nose

Pituitary Gland

Pars Distalis

Pars Distalis

Note: ADENOMA TGLs = 5-8

Spleen

Hyperostosis

Cyst

Pigmentation

Moderate

Cardiomyopathy

Mild

Nephropathy

Mild

Granuloma

Moderate

Inflammation

Chronic, Mild

Congestion

Mild

Granuloma

Moderate

Infiltration Cellular

Plasma Cell, Moderate

Metaplasia

Squamous, Mild

Adenoma

Cyst

Hematopoietic Cell Proliferation

Marked

Pigmentation

Hemosiderin, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:37

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 131	<b>TRT#:</b> 7 <b>DOSE:</b> 0.3% MF	<b>SEX:</b> Female <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 715 <b>HISTO:</b>
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Urinary Bladder		Inflammation	Chronic, Mild
<b>PRIMARY CAUSE OF DEATH</b>	-		

---

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 132

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 0.3% MF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Pituitary Gland  
Stomach - Glandular

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

Bone  
Heart  
Intestine Small - Duodenum  
Lung  
Skin  
Urinary Bladder

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Ovary  
Stomach - Forestomach

MISSING

Clitoral Gland

Mammary Gland

Parathyroid Gland

Thymus

OBSERVATIONS

Kidney

Nephropathy  
Sarcoma

Minimal

Note: SARCOMA TGLs = 2-4.1

Liver

Basophilic Focus  
Hepatodiaphragmatic Nodule

[ Basophilic Focus TGLS = 3-3 ]

Lymph Node

Mesenteric  
Mandibular

Congestion  
Infiltration Cellular  
Inflammation

Mild  
Plasma Cell, Mild  
Chronic, Mild

Nose

Pancreas

Acinus

Atrophy

Focal, Mild

Spleen

Pigmentation

Hemosiderin, Moderate

[ Pigmentation TGLS = 1-3 ]

Thyroid Gland

C Cell

Hyperplasia

Minimal

Uterus

Polyp Stromal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 134

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 0.3% MF

DISP: Terminal Sacrifice

HISTO:

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	Mammary Gland
Nose	Ovary	Parathyroid Gland	Salivary Glands
Skin	Thymus	Trachea	Urinary Bladder
Uterus			

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Mild
	Medulla	Hyperplasia	Focal, Mild
Clitoral Gland		Cyst	
Note: CYST	TGLs = 5-10		
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Marked
Note: NEPHROPATHY	TGLs = 1-4		
Liver		Hepatodiaphragmatic Nodule	
Note: ANOM HEPAT LOB	TGLs = 3-3		
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Granuloma	Mild
Pancreas	Acinus	Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 4-8		
Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Hemosiderin, Mild
Stomach	Glandular	Inflammation	Chronic, Moderate
	Forestomach	Ulcer	Marked
Note: ULCER	TGLs = 2-7		
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:37

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

**Lab:** TSI MASON

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**ANIMAL ID:** 134

**TRT#:** 7

**DOSE:** 0.3% MF

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 732

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 135

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 0.3% MF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	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	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

MISSING

Esophagus

OBSERVATIONS

Clitoral Gland		Fibrosis	Mild
		Inflammation	Chronic, Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	Mild
Note: ANOM HEPAT LOB TGLs = 1-3			
[ Hepatodiaphragmatic Nodule TGLS = 2-3 ]			
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Granuloma	Mild
Pancreas	Acinus	Atrophy	Focal, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
Spleen		Leukemia Mononuclear	Mild
Thyroid Gland	C Cell	Carcinoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 136

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 0.3% MF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Brain

Esophagus

Eye

Intestine Large - Cecum

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Ovary

Pancreas

Salivary Glands

Skin

Stomach - Forestomach

Stomach - Glandular

Trachea

Urinary Bladder

MISSING

Intestine Large - Colon

Parathyroid Gland

Thymus

OBSERVATIONS

Blood

Leukemia Mononuclear

Moderate

Bone Marrow

Hyperplasia

Minimal

Clitoral Gland

Adenoma

Carcinoma

Note: CARCINOMA TGLs = 2-10

Harderian Gland

Pigmentation

Mild

Note: PIGMENT TGLs = 1-13

Heart

Cardiomyopathy

Moderate

Kidney

Nephropathy

Minimal

Liver

Basophilic Focus

Hyperplasia

Focal, Mild

Leukemia Mononuclear

Moderate

Necrosis

Focal, Mild

Note: LEUKEMIA MONUC TGLs = 5-3

Lung

Hemorrhage

Focal, Mild

Leukemia Mononuclear

Moderate

[ Hemorrhage TGLS = 6-1 ]

Lymph Node

Mesenteric

Granuloma

Mild

Mandibular

Infiltration Cellular

Plasma Cell, Moderate

Mandibular

Leukemia Mononuclear

Moderate

Mesenteric

Leukemia Mononuclear

Moderate

Mammary Gland

Fibroadenoma

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

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<b>ANIMAL ID:</b> 136	<b>TRT#:</b> 7 <b>DOSE:</b> 0.3% MF	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 735 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: FIBROADENOMA    TGLs = 3-14			
Nose	Respirat Epith	Degeneration	Hyaline, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	Moderate
Thyroid Gland	C Cell	Carcinoma	
Note: CARCINOMA    TGLs = 4-8			
Uterus		Polyp Stromal	

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PRIMARY CAUSE OF DEATH	-
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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 138

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 0.3% MF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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	Lymph Node - Mesenteric	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland Note: PHEOCHROM BGN TGLs = 2-8	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Granuloma	Minimal
	Bile Duct	Hyperplasia	Mild
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Mammary Gland Note: GALACTOCELE TGLs = 1-13		Galactocele	
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Pigmentation	Hemosiderin, Moderate
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 139

TRT#: 7

SEX: Female

DAY ON TEST: 506

DOSE: 0.3% MF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Eye Note: DEGEN TGLs = 2-13	Retina	Degeneration	Moderate
Liver Note: BASOPH FOCUS TGLs = 5-3	Perivascular	Basophilic Focus Inflammation	Chronic, Minimal
Mammary Gland Note: FIBROADENOMA TGLs = 3-14		Fibroadenoma	
Nose		Inflammation	Chronic, Mild
Pituitary Gland Note: [ HYPERPLASIA ] TGLs = 4-8	Pars Distalis	Metaplasia Hyperplasia	Squamous, Mild Focal, Minimal
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 141

TRT#: 7

SEX: Female

DAY ON TEST: 534

DOSE: 0.3% MF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Clitoral Gland
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Mammary Gland	Nose	Ovary
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Mild
Bone Marrow		Hyperplasia	Moderate
Kidney		Nephropathy	Minimal
Liver		Fatty Change	Mild
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 9-3			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 4-2			
Note: [ LEUKEMIA MONUC ] TGLs = 8-14			
Note: [ LEUKEMIA MONUC ] TGLs = 5-2			
Note: [ LEUKEMIA MONUC ] TGLs = 10-13,11-13			
Pancreas	Acinus	Atrophy	Focal, Mild
		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 12-8			
Spleen		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:37

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

**Lab:** TSI MASON

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**ANIMAL ID:** 141

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 534

**DOSE:** 0.3% MF

**DISP:** Moribund

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ LEUKEMIA MONUC ] TGLs = 6-3,7-3

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 142

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 0.3% MF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lung	Nose	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Clitoral Gland	Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland Note: ATROPHY TGLs = 2-8	Cortex	Atrophy	Marked
Intestine Large	Colon	Parasite Metazoan	Mild
	Rectum	Parasite Metazoan	Mild
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Marked
Ovary Note: ATROPHY TGLs = 1-6		Atrophy	Marked
Pituitary Gland Note: ADENOMA TGLs = 3-8	Pars Distalis	Adenoma	
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Stomach	Forestomach	Acanthosis	Moderate
Uterus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 143

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 0.3% MF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland	Ovary
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Trachea	Urinary Bladder	Uterus

MISSING

Clitoral Gland	Lymph Node - Mandibular	Thymus
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OBSERVATIONS

Blood		Leukemia Mononuclear	Moderate
Bone Marrow		Myelofibrosis	Mild
Heart		Cardiomyopathy	Minimal
Intestine Large	Cecum	Parasite Metazoan	Moderate
	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Leukemia Mononuclear	Moderate
Lung		Leukemia Mononuclear	Moderate
Lymph Node	Mesenteric	Granuloma	Moderate
	Mesenteric	Leukemia Mononuclear	Moderate
Nose		Inflammation	Chronic, Mild
		Metaplasia	Squamous, Mild
Pancreas	Acinus	Atrophy	Focal, Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Note: HYPERPLASIA TGLs = 3-8			
Spleen	Capsule	Hemorrhage	Moderate
		Leukemia Mononuclear	Moderate
[ Hemorrhage TGLS = 2-3.1 ]			
[ Leukemia Mononuclear TGLS = 1-3.1 ]			
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:37

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

**Lab:** TSI MASON

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**ANIMAL ID:** 143

**TRT#:** 7

**DOSE:** 0.3% MF

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 735

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 145

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 0.3% MF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Rectum  
Islets, Pancreatic  
Parathyroid Gland  
Stomach - Glandular

Adrenal Gland - Medulla  
Esophagus  
Intestine Small - Duodenum  
Mammary Gland  
Salivary Glands  
Thymus

Bone  
Intestine Large - Cecum  
Intestine Small - Ileum  
Ovary  
Skin  
Trachea

Bone Marrow  
Intestine Large - Colon  
Intestine Small - Jejunum  
Pancreas  
Stomach - Forestomach  
Urinary Bladder

OBSERVATIONS

Clitoral Gland  
Note: INFLAMMATION TGLs = 1-10  
Heart  
Kidney  
Liver  
Lung  
Lymph Node  
  
Nose  
Pituitary Gland  
Spleen  
  
[ Hemorrhage TGLS = 2-3 ]  
Thyroid Gland  
Uterus

Peribronchial  
Mesenteric  
Mandibular  
  
Pars Distalis  
  
C Cell

Inflammation  
  
Cardiomyopathy  
Nephropathy  
Basophilic Focus  
Inflammation  
Granuloma  
Infiltration Cellular  
Inflammation  
Hyperplasia  
Hemorrhage  
Pigmentation  
  
Hyperplasia  
Polyp Stromal

Chronic, Marked  
  
Mild  
Mild  
  
Chronic, Mild  
Mild  
Plasma Cell, Mild  
Chronic, Moderate  
Focal, Minimal  
Moderate  
Hemosiderin, Mild  
  
Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 146

TRT#: 7

SEX: Female

DAY ON TEST: 676

DOSE: 0.3% MF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Clitoral Gland
Esophagus	Eye	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Mammary Gland	Nose	Ovary
Pancreas	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

MISSING

Adrenal Gland - Medulla	Parathyroid Gland
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OBSERVATIONS

Bone Marrow		Hyperplasia	Moderate
Harderian Gland		Pigmentation	Mild
Note: PIGMENT	TGLs = 2-13		
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Moderate
Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Moderate
		Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	Moderate
[ Fatty Change TGLS = 6-3 ]			
Lung		Leukemia Mononuclear	Moderate
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
	Mandibular	Leukemia Mononuclear	Moderate
	Mesenteric	Leukemia Mononuclear	Moderate
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST	TGLs = 7-8		
Spleen		Infarct	Moderate
		Leukemia Mononuclear	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:37

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 146	<b>TRT#:</b> 7	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 676
	<b>DOSE:</b> 0.3% MF	<b>DISP:</b> Moribund	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ INFARCT ] TGLs = 5-3.1

[ Leukemia Mononuclear TGLS = 4-3.1 ]

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Thyroid Gland	C Cell	Hyperplasia	Moderate
<b>PRIMARY CAUSE OF DEATH</b>	-		

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 147

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 0.3% MF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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

Lung

Mammary Gland

Ovary

Pancreas

Parathyroid Gland

Salivary Glands

Skin

Stomach - Forestomach

Stomach - Glandular

Thymus

Trachea

Urinary Bladder

Uterus

OBSERVATIONS

Adrenal Gland

Medulla

Hyperplasia

Focal, Mild

Clitoral Gland

Adenoma

Heart

Cardiomyopathy

Moderate

Kidney

Nephropathy

Moderate

Liver

Basophilic Focus

Lymph Node

Mesenteric

Granuloma

Mild

Mandibular

Infiltration Cellular

Plasma Cell, Marked

Nose

Metaplasia

Squamous, Mild

Pituitary Gland

Pars Distalis

Adenoma

Pars Distalis

Cyst

Note: ADENOMA TGLs = 1-8

Spleen

Hematopoietic Cell Proliferation

Mild

Thyroid Gland

C Cell

Pigmentation

Hemosiderin, Mild

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 148

TRT#: 7

SEX: Female

DAY ON TEST: 456

DOSE: 0.3% MF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

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

Bone  
Heart  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Pancreas  
Stomach - Forestomach  
Trachea

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Mammary Gland  
Parathyroid Gland  
Stomach - Glandular  
Urinary Bladder

OBSERVATIONS

Brain  
Kidney  
Liver  
  
Note: ANOM HEPAT LOB TGLs = 3-3  
Lung  
Lymph Node  
Mesentery  
Note: NECROSIS TGLs = 2-6  
Pituitary Gland  
Note: ADENOMA TGLs = 4-8  
Spleen  
  
Peribronchial  
Mesenteric  
Fat  
  
Pars Distalis  
  
Hydrocephalus  
Nephropathy  
Granuloma  
Hepatodiaphragmatic Nodule  
  
Inflammation  
Granuloma  
Necrosis  
  
Adenoma  
  
Granuloma  
Pigmentation

Mild  
Minimal  
Minimal  
  
Chronic, Mild  
Mild  
Marked  
  
Mild  
Hemosiderin, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 149

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 0.3% MF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Ovary	Pancreas	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Thymus

INSUFFICIENT TISSUE

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Heart		Cardiomyopathy	Mild
Intestine Large	Rectum	Parasite Metazoan	Marked
Kidney		Nephropathy	Moderate
Liver		Basophilic Focus	
		Cyst	
Note: CYST	TGLs = 4-3		
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: GALACTOCELE	TGLs = 2-14		
Note: FIBROADENOMA	TGLs = 1-13,2-14		
Nose		Metaplasia	Squamous, Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Marked
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:37

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

**Lab:** TSI MASON

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**ANIMAL ID:** 149

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 0.3% MF

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 150

TRT#: 7

SEX: Female

DAY ON TEST: 611

DOSE: 0.3% MF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Trachea	Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Clitoral Gland		Abscess	Moderate
		Adenoma	
		Ectasia	Marked
Note: ABSCESS	TGLs = 4-10		
Heart		Cardiomyopathy	Moderate
Intestine Large	Cecum	Parasite Metazoan	Moderate
Kidney		Nephropathy	Marked
Note: NEPHROPATHY	TGLs = 7-4,8-4		
Liver		Fatty Change	Mild
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Congestion	Mild
	Renal	Congestion	Marked
Note: CONGESTION	TGLs = 9-14,10-14		
Mammary Gland		Fibroadenoma	
Note: [ FIBROADENOMA ]	TGLs = 5-13		
Nose		Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Spleen		Pigmentation	Hemosiderin, Moderate
Stomach	Glandular	Inflammation	Chronic, Mild
	Forestomach	Ulcer	Marked
Note: ULCER	TGLs = 11-7		
Note: INFLAMMATION	TGLs = 12-7		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:37

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

**Lab:** TSI MASON

---

**ANIMAL ID:** 150

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 611

**DOSE:** 0.3% MF

**DISP:** Moribund

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Thyroid Gland

C Cell

Hyperplasia

Mild

Uterus

Polyp Stromal

Note: POLYP STROMAL TGLs = 6-6

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 151

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 0.3% MF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Clitoral Gland	Esophagus	Heart	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Brain		Carcinoma	Metastatic (Pituitary Gland)
		Hydrocephalus	Mild
Intestine Large	Cecum	Parasite Metazoan	Marked
Kidney		Nephropathy	Moderate
Note: NEPHROPATHY	TGLs = 5-4		
Liver		Basophilic Focus	
		Fatty Change	Mild
Note: FATTY CHANGE	TGLs = 8-3		
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: FIBROADENOMA	TGLs = 1-13,2-14,3-15		
Note: GALACTOCELE	TGLs = 3-15		
Nose		Metaplasia	Squamous, Mild
Ovary		Cyst	
Note: CYST	TGLs = 4-6		
Pancreas		Angiectasis	Mild
Note: ANGIECTASIS	TGLs = 6-9		
Pituitary Gland	Pars Distalis	Carcinoma	
Note: CARCINOMA	TGLs = 9-8		
Stomach	Forestomach	Hyperkeratosis	Marked
Thyroid Gland	C Cell	Hyperplasia	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:37

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

**Lab:** TSI MASON

---

**ANIMAL ID:** 151

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 0.3% MF

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 152

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 0.3% MF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Rectum  
Lung  
Parathyroid Gland  
Stomach - Glandular  
Urinary Bladder

Bone  
Heart  
Intestine Small - Duodenum  
Nose  
Salivary Glands  
Thymus  
Uterus

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

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Pancreas  
Stomach - Forestomach  
Trachea

MISSING

Adrenal Gland - Medulla

Lymph Node - Mandibular

INSUFFICIENT TISSUE

Islets, Pancreatic

OBSERVATIONS

Clitoral Gland  
Note: [ ADENOMA ] TGLs = 1-10.1  
Kidney  
Liver  
Lymph Node  
Mammary Gland  
Pituitary Gland  
Note: ADENOMA TGLs = 2-8  
Spleen

Mesenteric  
Pars Distalis

Adenoma  
Nephropathy  
Basophilic Focus  
Granuloma  
Fibroadenoma  
Adenoma  
Pigmentation  
Mild  
Mild  
Hemosiderin, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 153

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 0.3% MF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Ovary  
Stomach - Forestomach  
Urinary Bladder

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

Bone  
Heart  
Intestine Small - Duodenum  
Lung  
Salivary Glands  
Thymus

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

OBSERVATIONS

Clitoral Gland  
Note: CYST TGLs = 1-10  
Kidney  
Liver  
Note: ANOM HEPAT LOB TGLs = 4-3.1  
Lymph Node  
Nose  
Pancreas  
Pituitary Gland  
Note: ADENOMA TGLs = 5-8,6-8  
Spleen  
Thyroid Gland  
Uterus  
Note: POLYP STROMAL TGLs = 2-6  
Note: CYST TGLs = 3-6

Mesenteric  
Mandibular  
Acinus  
Pars Distalis  
C Cell  
Endometrium

Cyst  
Nephropathy  
Hepatodiaphragmatic Nodule  
Leukemia Mononuclear  
Granuloma  
Infiltration Cellular  
Metaplasia  
Atrophy  
Adenoma  
Leukemia Mononuclear  
Hyperplasia  
Cyst  
Polyp Stromal

Mild  
Mild  
Mild  
Mild  
Plasma Cell, Mild  
Squamous, Mild  
Focal, Mild  
Mild  
Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:37

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

**Lab:** TSI MASON

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**ANIMAL ID:** 154

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 613

**DOSE:** 0.3% MF

**DISP:** Dead

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 155

TRT#: 7

SEX: Female

DAY ON TEST: 591

DOSE: 0.3% MF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Glandular	Trachea	Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Brain		Hydrocephalus	Mild
Heart		Cardiomyopathy	Mild
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Moderate
Note: NEPHROPATHY	TGLs = 4-4,5-4		
Liver	Bile Duct	Hyperplasia	Mild
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
Mammary Gland		Ectasia	Moderate
Nose		Metaplasia	Squamous, Mild
Ovary		Cyst	
Note: CYST	TGLs = 3-6		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 6-8		
Spleen		Pigmentation	Hemosiderin, Moderate
Stomach	Forestomach	Acanthosis	Mild
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 156

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 0.3% MF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	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	Pancreas
Parathyroid Gland	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea		

MISSING

Adrenal Gland - Medulla	Thymus
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OBSERVATIONS

Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Granuloma	Mild
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: FIBROADENOMA	TGLs = 2-14		
Nose		Inflammation	Chronic, Mild
Ovary		Cyst	
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Focal, Mild
Skin		Squamous Cell Papilloma	
Note: PAPILLOMA SQUA	TGLs = 1-13		
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Moderate
[ Pigmentation TGLS = 3-3 ]			
Urinary Bladder	Transit Epithe	Hyperplasia	Focal, Mild
Uterus		Polyp Stromal	
Note: POLYP STROMAL	TGLs = 4-6		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 157

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 0.3% MF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Intestine Large - Cecum	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mammary Gland	Nose	Ovary	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

MISSING

Parathyroid Gland

OBSERVATIONS

Clitoral Gland		Cyst	
Note: CYST	TGLs = 1-10		
Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
Note: ANOM HEPAT LOB	TGLs = 3-3		
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Pancreas	Acinus	Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Focal, Moderate
Note: CYST	TGLs = 4-8		
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Adenoma	
Uterus	Endometrium	Cyst	
Note: CYST	TGLs = 2-6		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:37

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

**Lab:** TSI MASON

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**ANIMAL ID:** 157

**TRT#:** 7

**DOSE:** 0.3% MF

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 735

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 158

TRT#: 7

SEX: Female

DAY ON TEST: 570

DOSE: 0.3% MF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Bone Marrow		Myelofibrosis	Moderate
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Cyst	
		Fatty Change	Moderate
		Leukemia Mononuclear	Moderate
Note: CYST TGLs = 7-3			
Lung		Leukemia Mononuclear	Moderate
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
	Mandibular	Leukemia Mononuclear	Moderate
	Mesenteric	Leukemia Mononuclear	Moderate
	Pancreatic	Leukemia Mononuclear	Moderate
	Renal	Leukemia Mononuclear	Moderate
	Renal	Pigmentation	Moderate
Note: LEUKEMIA MONUC TGLs = 8-4			
Note: LEUKEMIA MONUC TGLs = 5-8			
Note: LEUKEMIA MONUC TGLs = 10			
Nose		Inflammation	Chronic, Mild
Spleen		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC TGLs = 4-3			
Thyroid Gland	C Cell	Hyperplasia	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:37

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

**Lab:** TSI MASON

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**ANIMAL ID:** 158

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 570

**DOSE:** 0.3% MF

**DISP:** Moribund

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 159

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 0.3% MF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Small - Jejunum  
Nose  
Stomach - Forestomach

Bone Marrow  
Intestine Large - Cecum  
Islets, Pancreatic  
Ovary  
Thymus

Brain  
Intestine Large - Colon  
Lung  
Salivary Glands  
Thyroid Gland

Clitoral Gland  
Intestine Small - Ileum  
Mammary Gland  
Skin  
Trachea

MISSING

Adrenal Gland - Medulla

Parathyroid Gland

OBSERVATIONS

Bone  
Heart  
Intestine Large  
  
Intestine Small  
Kidney  
  
Liver  
Lymph Node

Artery  
Artery, Rectum  
Rectum  
Artery, Duodenum  
Artery  
  
Lymphatic, Mediastinal  
Mandibular  
Artery, Mesenteric  
Artery, Mesenteric

Hyperostosis  
Inflammation  
Inflammation  
Parasite Metazoan  
Inflammation  
Inflammation  
Nephropathy  
Basophilic Focus  
Angiectasis  
Infiltration Cellular  
Inflammation  
Thrombosis

Chronic, Mild  
Chronic, Moderate  
Mild  
Chronic, Moderate  
Chronic, Moderate  
Minimal  
  
Moderate  
Plasma Cell, Mild  
Acute, Moderate

[ Angiectasis TGLS = 6-2 ]

[ Inflammation TGLS = 4-8 ]

Pancreas  
Note: INFLAMMATION TGLs = 3-9

Artery

Inflammation

Chronic, Moderate

Pituitary Gland  
Note: ADENOMA TGLs = 5-8

Pars Distalis

Adenoma

Spleen  
Stomach  
Urinary Bladder  
Uterus

Artery, Glandular

Hematopoietic Cell Proliferation  
Inflammation  
Inflammation  
Polyp Stromal

Moderate  
Chronic, Moderate  
Chronic, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:37

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

**Lab:** TSI MASON

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**ANIMAL ID:** 159

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 0.3% MF

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: POLYP STROMAL TGLs = 1-6.1

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 161

TRT#: 7

SEX: Female

DAY ON TEST: 644

DOSE: 0.3% MF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Intestine Large - Cecum  
Islets, Pancreatic  
Skin

Bone  
Intestine Large - Colon  
Nose  
Trachea

Clitoral Gland  
Intestine Large - Rectum  
Ovary

Esophagus  
Intestine Small - Jejunum  
Parathyroid Gland

OBSERVATIONS

Adrenal Gland  
Bone Marrow  
Brain  
Heart  
Intestine Small

Medulla  
  
  
  
Duodenum  
Ileum

Pheochromocytoma Benign  
Myelofibrosis  
Leukemia Mononuclear  
Leukemia Mononuclear  
Leukemia Mononuclear  
Leukemia Mononuclear

Marked

Note: [ LEUKEMIA MONUC ] TGLs = 10-7

Kidney  
Liver

Nephropathy  
Fatty Change  
Hyperplasia  
Leukemia Mononuclear

Minimal  
Mild  
Mild

Note: [ LEUKEMIA MONUC ] TGLs = 9-3

Lung

Fungus  
Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 5-1+2+2.1

Lymph Node

Mandibular  
Mesenteric

Leukemia Mononuclear  
Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 11-8

Note: [ LEUKEMIA MONUC ] TGLs = 3-9

Mammary Gland  
Pancreas  
Pituitary Gland

Pars Distalis

Leukemia Mononuclear  
Leukemia Mononuclear  
Cyst  
Leukemia Mononuclear  
Leukemia Mononuclear  
Leukemia Mononuclear

Salivary Glands  
Spleen

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:37

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

**Lab:** TSI MASON

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**ANIMAL ID:** 161

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 644

**DOSE:** 0.3% MF

**DISP:** Moribund

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ LEUKEMIA MONUC ] TGLs = 8-3.1

Stomach

Forestomach

Leukemia Mononuclear

Glandular

Leukemia Mononuclear

Thymus

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 4-2

Thyroid Gland

C Cell

Hyperplasia

Minimal

Urinary Bladder

Leukemia Mononuclear

Uterus

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 6-6

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 162

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 0.3% MF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Clitoral Gland	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Mammary Gland	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Mild
	Medulla	Hyperplasia	Focal, Mild
Bone		Hyperostosis	
Heart		Cardiomyopathy	Moderate
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Leukemia Mononuclear	Mild
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
Nose		Inflammation	Chronic, Mild
		Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Leukemia Mononuclear	Mild
		Pigmentation	Hemosiderin, Moderate
Uterus		Polyp Stromal	

Note: POLYP STROMAL TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 163

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 0.3% MF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Eye	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Pancreas	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Mild
Harderian Gland		Inflammation	Chronic, Minimal
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Granuloma	Mild
	Bile Duct	Hyperplasia	Mild
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mandibular	Congestion	Moderate
	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: FIBROADENOMA	TGLs = 2-14		
Nose		Inflammation	Chronic, Mild
		Metaplasia	Squamous, Mild
Ovary		Cyst	
Note: CYST	TGLs = 3-6		
Pituitary Gland	Pars Distalis	Cyst	
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Moderate

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:37

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 163	<b>TRT#:</b> 7 <b>DOSE:</b> 0.3% MF	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 735 <b>HISTO:</b>
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Thyroid Gland	C Cell	Hyperplasia	Marked
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 164

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 0.3% MF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Clitoral Gland

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Ovary

Parathyroid Gland

Salivary Glands

Skin

Stomach - Forestomach

Stomach - Glandular

Thymus

Trachea

Urinary Bladder

OBSERVATIONS

Adrenal Gland

Cortex

Cytoplasmic Alteration

Focal, Mild

Heart

Cardiomyopathy

Mild

Intestine Large

Rectum

Parasite Metazoan

Marked

Kidney

Nephropathy

Mild

Liver

Basophilic Focus

Bile Duct

Hyperplasia

Moderate

Lung

Peribronchial

Inflammation

Chronic, Mild

Lymph Node

Mesenteric

Granuloma

Mild

Mandibular

Infiltration Cellular

Plasma Cell, Mild

Mammary Gland

Fibroadenoma

Note: FIBROADENOMA TGLs = 1-13

Mesentery

Fat

Necrosis

Marked

Note: NECROSIS TGLs = 2-13

Nose

Inflammation

Chronic, Mild

Pancreas

Acinus

Atrophy

Focal, Minimal

Pituitary Gland

Pars Distalis

Adenoma

Note: ADENOMA TGLs = 3-8

Spleen

Hematopoietic Cell Proliferation

Mild

Pigmentation

Hemosiderin, Mild

Thyroid Gland

Follicle

Cyst

C Cell

Hyperplasia

Minimal

Uterus

Endometrium

Cyst

Thrombosis

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:37

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

**Lab:** TSI MASON

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**ANIMAL ID:** 164

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 0.3% MF

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 166

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 0.3% MF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Clitoral Gland  
Intestine Large - Colon  
Intestine Small - Jejunum  
Ovary  
Skin  
Trachea

Bone  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Pancreas  
Stomach - Forestomach  
Urinary Bladder

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Lung  
Parathyroid Gland  
Stomach - Glandular  
Uterus

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

INSUFFICIENT TISSUE

Adrenal Gland - Medulla

OBSERVATIONS

Kidney  
Liver  
Lymph Node  
  
Mammary Gland  
Note: FIBROADENOMA TGLs = 1-13  
Pituitary Gland  
Note: ADENOMA TGLs = 2-8  
Spleen  
  
Thyroid Gland

Bile Duct  
Mesenteric  
Mandibular  
  
Pars Distalis  
  
C Cell

Nephropathy  
Hyperplasia  
Granuloma  
Infiltration Cellular  
Fibroadenoma  
  
Adenoma  
  
Hematopoietic Cell Proliferation  
Pigmentation  
Hyperplasia

Mild  
Minimal  
Moderate  
Plasma Cell, Mild  
  
  
  
  
Mild  
Hemosiderin, Moderate  
Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 167

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 0.3% MF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Clitoral Gland	Esophagus
Eye	Heart	Intestine Large - Cecum	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Mammary Gland
Nose	Ovary	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Trachea
Urinary Bladder			

MISSING

Adrenal Gland - Medulla	Islets, Pancreatic	Pancreas	
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OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Marked
Bone Marrow		Leukemia Mononuclear	Marked
Harderian Gland		Pigmentation	Mild
Note: PIGMENT TGLs = 1-13			
Intestine Large	Colon	Leukemia Mononuclear	Marked
Kidney	Renal Tubule	Degeneration	Mild
		Nephropathy	Minimal
Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	Marked
[ Fatty Change TGLS = 10-3 ]			
Lung		Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC TGLs = 12-1+2			
Lymph Node	Mandibular	Leukemia Mononuclear	Marked
	Mediastinal	Leukemia Mononuclear	Marked
	Pancreatic	Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC TGLs = 5-2			
Note: LEUKEMIA MONUC TGLs = 3-9			
Note: LEUKEMIA MONUC TGLs = 7-9			
Mesentery		Leukemia Mononuclear	Marked
	Fat	Necrosis	Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:37

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

**Lab:** TSI MASON

**ANIMAL ID:** 167

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 0.3% MF

**DISP:** Terminal Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: LEUKEMIA MONUC TGLs = 9-8

Note: TISSUE SUBMITTED AS LYMPH NODE IS MESENTERY

Pituitary Gland

Pars Distalis

Cyst

Pars Distalis

Hyperplasia

Focal, Mild

Note: HYPERPLASIA TGLs = 11-8

Spleen

Leukemia Mononuclear

Marked

Note: LEUKEMIA MONUC TGLs = 6-3.1

Thymus

Leukemia Mononuclear

Marked

Note: LEUKEMIA MONUC TGLs = 4-2

Thyroid Gland

C Cell

Adenoma

Uterus

Leukemia Mononuclear

Marked

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 168

TRT#: 7

SEX: Female

DAY ON TEST: 718

DOSE: 0.3% MF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Brain		Hydrocephalus	Moderate
Kidney		Nephropathy	Mild
Lymph Node	Mesenteric	Granuloma	Moderate
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Mammary Gland		Ectasia	Marked
		Galactocele	
Note: ECTASIA	TGLs = 5-10		
Note: GALACTOCELE	TGLs = 2-13		
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 4-8		
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Moderate
Thyroid Gland	C Cell	Carcinoma	
Note: CARCINOMA	TGLs = 3-8		
Uterus		Atrophy	Mild
		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 169

TRT#: 7

SEX: Female

DAY ON TEST: 590

DOSE: 0.3% MF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Clitoral Gland	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

INSUFFICIENT TISSUE

Skin

OBSERVATIONS

Adrenal Gland	Medulla	Leukemia Mononuclear	Marked
	Cortex	Necrosis	Focal, Moderate
Note: LEUKEMIA MONUC TGLs = 9-8			
Bone Marrow		Hyperplasia	Mild
Brain		Hemorrhage	Mild
Note: HEMORRHAGE TGLs = 13-5			
Kidney		Nephropathy	Minimal
Note: NEPHROPATHY TGLs = 10-4			
Liver		Fatty Change	Mild
		Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC TGLs = 11-3			
Lung		Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC TGLs = 5-1			
Lymph Node	Mandibular	Leukemia Mononuclear	Marked
	Mesenteric	Leukemia Mononuclear	Marked
	Pancreatic	Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC TGLs = 8-9			
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 2-13,3-13			
Nose		Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Spleen		Leukemia Mononuclear	Marked

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:37

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

**Lab:** TSI MASON

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**ANIMAL ID:** 169

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 590

**DOSE:** 0.3% MF

**DISP:** Moribund

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: LEUKEMIA MONUC TGLs = 7-3.1

Thymus

Leukemia Mononuclear

Marked

Uterus

Polyp Stromal

Note: POLYP STROMAL TGLs = 6-6

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 170

TRT#: 7

DOSE: 0.3% MF

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Bone Marrow		Hyperplasia	Mild
		Myelofibrosis	Mild
Clitoral Gland		Adenoma	
Note: ADENOMA	TGLs = 3-10		
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 1-13,2-14		
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
Note: ADENOMA	TGLs = 5-8		
Spleen		Hematopoietic Cell Proliferation	Mild
Thymus		Cyst	
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 171

TRT#: 7

SEX: Female

DAY ON TEST: 372

DOSE: 0.3% MF

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Mammary Gland  
Parathyroid Gland  
Stomach - Forestomach  
Urinary Bladder

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Colon  
Intestine Small - Jejunum  
Nose  
Pituitary Gland  
Stomach - Glandular

Bone  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Ovary  
Salivary Glands  
Thyroid Gland

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Lymph Node - Mesenteric  
Pancreas  
Skin  
Trachea

OBSERVATIONS

Kidney  
Liver  
Note: NECROSIS TGLs = 3-3

Peribronchial  
Mediastinal  
Mandibular

Nephropathy  
Necrosis  
Inflammation  
Congestion  
Infiltration Cellular

Minimal  
Focal, Marked  
Chronic, Minimal  
Moderate  
Plasma Cell, Mild

Lung  
Lymph Node  
Note: CONGESTION TGLs = 1-2  
Spleen  
Thymus  
Uterus  
Note: POLYP STROMAL TGLs = 2-6.1

Hematopoietic Cell Proliferation  
Congestion  
Polyp Stromal

Marked  
Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 172

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 0.3% MF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Clitoral Gland		Abscess	Marked
Note: ABSCESS	TGLs = 3-10		
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
Note: ANOM HEPAT LOB	TGLs = 4-3		
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: GALACTOCELE	TGLs = 1-13,2-14		
Note: FIBROADENOMA	TGLs = 1-13,2-14		
Pituitary Gland	Pars Distalis	Cyst	
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 173

TRT#: 7

SEX: Female

DAY ON TEST: 689

DOSE: 0.3% MF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Pancreas  
Stomach - Forestomach  
Urinary Bladder

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Rectum  
Islets, Pancreatic  
Parathyroid Gland  
Stomach - Glandular  
Uterus

Bone  
Esophagus  
Intestine Small - Duodenum  
Kidney  
Salivary Glands  
Thymus

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Ovary  
Skin  
Trachea

OBSERVATIONS

Heart  
Liver

Cardiomyopathy  
Basophilic Focus  
Granuloma

Mild  
Mild

Lung  
Lymph Node

Peribronchial  
Mesenteric  
Mandibular

Inflammation  
Granuloma  
Infiltration Cellular  
Fibroadenoma

Chronic, Mild  
Mild  
Plasma Cell, Mild

Mammary Gland

Note: FIBROADENOMA TGLs = 1-13+13.1

Nose

Pituitary Gland

Pars Distalis

Metaplasia  
Angiectasis

Squamous, Mild  
Mild

Note: [ ANGIECTASIS ] TGLs = 3-8

Spleen

Hematopoietic Cell Proliferation  
Pigmentation  
Hyperplasia

Mild  
Hemosiderin, Mild  
Moderate

Thyroid Gland

C Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 174

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 0.3% MF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Skin  
Urinary Bladder

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Rectum  
Islets, Pancreatic  
Stomach - Forestomach  
Uterus

Bone  
Esophagus  
Intestine Small - Duodenum  
Pancreas  
Stomach - Glandular

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Salivary Glands  
Trachea

MISSING

Parathyroid Gland

Thymus

OBSERVATIONS

Heart  
Kidney  
Liver

Cardiomyopathy  
Nephropathy  
Basophilic Focus  
Granuloma  
Hyperplasia  
Inflammation  
Granuloma  
Infiltration Cellular  
Fibroadenoma  
Galactocele

Mild  
Mild  
  
Mild  
Mild  
Chronic, Mild  
Mild  
Plasma Cell, Moderate

Lung  
Lymph Node

Bile Duct  
Peribronchial  
Mesenteric  
Mandibular

Mammary Gland

Note: FIBROADENOMA TGLs = 1-13,2-14,3-15  
Note: GALACTOCELE TGLs = 2-14

Nose  
Ovary

Inflammation  
Angiectasis

Chronic, Moderate  
Mild

Pituitary Gland

Note: ADENOMA TGLs = 5-8

Pars Distalis

Adenoma

Spleen

Hematopoietic Cell Proliferation

Mild

Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 175

TRT#: 7

SEX: Female

DAY ON TEST: 735

DOSE: 0.3% MF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Ovary	Pancreas	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea

MISSING

Parathyroid Gland	Skin
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INSUFFICIENT TISSUE

Lymph Node - Mandibular
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OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Mild
Bone		Hyperostosis	
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
Lung	Peribronchial	Inflammation	Chronic, Moderate
Lymph Node	Mesenteric	Granuloma	Mild
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 2-10		
Mesentery	Fat	Necrosis	Marked
Note: NECROSIS	TGLs = 3-6		
Nose		Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Intermed	Cyst	
	Pars Intermed	Hyperplasia	Moderate
Note: ANGIECTASIS	TGLs = 4-8		
Spleen		Hematopoietic Cell Proliferation	Mild
Urinary Bladder	Transit Epithe	Hyperplasia	Focal, Mild
Uterus		Polyp Stromal	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:37

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

**Lab:** TSI MASON

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**ANIMAL ID:** 175

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 0.3% MF

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 177

TRT#: 7

DOSE: 0.3% MF

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Clitoral Gland  
Intestine Large - Rectum  
Islets, Pancreatic  
Parathyroid Gland  
Stomach - Glandular  
Uterus

Bone  
Esophagus  
Intestine Small - Duodenum  
Mammary Gland  
Salivary Glands  
Thymus

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Nose  
Skin  
Trachea

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Ovary  
Stomach - Forestomach  
Urinary Bladder

OBSERVATIONS

Adrenal Gland  
Heart  
Kidney  
Liver  
Lung  
Lymph Node  
  
Pancreas  
Pituitary Gland

Medulla  
  
Peribronchial  
Mesenteric  
Mandibular  
Acinus  
Pars Distalis  
Pars Distalis

Pheochromocytoma Benign  
Cardiomyopathy  
Nephropathy  
Basophilic Focus  
Inflammation  
Granuloma  
Infiltration Cellular  
Atrophy  
Adenoma  
Cyst

Mild  
Mild  
  
Chronic, Mild  
Mild  
Plasma Cell, Marked  
Focal, Mild

Note: ADENOMA TGLs = 1-8

Spleen  
  
Thyroid Gland

Hematopoietic Cell Proliferation  
Pigmentation  
Adenoma

Mild  
Hemosiderin, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 179

TRT#: 7

SEX: Female

DAY ON TEST: 519

DOSE: 0.3% MF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Clitoral Gland

OBSERVATIONS

Bone Marrow		Hyperplasia	Moderate
Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Fatty Change	Moderate
		Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC	TGLs = 9-3		
Lung		Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC	TGLs = 4-1+2		
Lymph Node	Mesenteric	Granuloma	Moderate
	Mandibular	Leukemia Mononuclear	Marked
	Mesenteric	Leukemia Mononuclear	Marked
	Pancreatic	Leukemia Mononuclear	Marked
	Renal	Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC	TGLs = 7-8		
Note: LEUKEMIA MONUC	TGLs = 8-14		
Note: LEUKEMIA MONUC	TGLs = 6-13		
Ovary		Cyst	
Note: CYST	TGLs = 2-6		
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Focal, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:37

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 179	<b>TRT#:</b> 7 <b>DOSE:</b> 0.3% MF	<b>SEX:</b> Female <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 519 <b>HISTO:</b>
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<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Note: [ HYPERPLASIA ] TGLs = 10-8,11-8			
Spleen		Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC TGLs = 5-3			
Thymus		Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC TGLs = 3-2			

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<b>PRIMARY CAUSE OF DEATH</b>	-
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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 180

TRT#: 7

SEX: Female

DAY ON TEST: 485

DOSE: 0.3% MF

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Clitoral Gland	Esophagus	Eye	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Jejunum
Islets, Pancreatic	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Thyroid Gland
Trachea	Uterus		

MISSING

Thymus

AUTO PRECLUDES DIAG.

Intestine Small - Ileum	Urinary Bladder
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OBSERVATIONS

Bone Marrow		Myelofibrosis	Marked
Ear		Ulcer	Multifocal, Marked
Note: ULCER	TGLs = 4-14,5-14.1		
Intestine Small	Duodenum	Leukemia Mononuclear	Marked
Kidney		Nephropathy	Minimal
Liver		Fatty Change	Moderate
		Leukemia Mononuclear	Marked
Lung		Leukemia Mononuclear	Marked
Lymph Node	Mandibular	Leukemia Mononuclear	Marked
	Mesenteric	Leukemia Mononuclear	Marked
	Pancreatic	Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC	TGLs = 3-9		
Mammary Gland		Ectasia	Mild
Note: ECTASIA	TGLs = 2-10		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 6-8		
Spleen		Leukemia Mononuclear	Marked
Stomach	Forestomach	Leukemia Mononuclear	Marked
	Glandular	Leukemia Mononuclear	Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:37

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

**Lab:** TSI MASON

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**ANIMAL ID:** 180

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 485

**DOSE:** 0.3% MF

**DISP:** Dead

**HISTO:**

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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: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 181

TRT#: 8

DOSE: 0.6% HF

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Mammary Gland	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Glandular	Thymus
Thyroid Gland	Trachea		

MISSING

Stomach - Forestomach

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Blood		Leukemia Mononuclear	Moderate
Clitoral Gland		Adenoma	
Note: ADENOMA	TGLs = 1-10		
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Focal, Marked
		Leukemia Mononuclear	Moderate
Note: HYPERPLASIA	TGLs = 4-3		
Lung		Leukemia Mononuclear	Moderate
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
	Mandibular	Leukemia Mononuclear	Moderate
	Mesenteric	Leukemia Mononuclear	Moderate
Nose		Inflammation	Chronic, Mild
		Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
Spleen		Leukemia Mononuclear	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:37

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 181	<b>TRT#:</b> 8 <b>DOSE:</b> 0.6% HF	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 729 <b>HISTO:</b>
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<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Note: LEUKEMIA MONUC	TGLs = 3-3		
Urinary Bladder		Inflammation	Chronic, Mild
Uterus		Polyp Stromal	
Note: POLYP STROMAL	TGLs = 2-6.1		

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<b>PRIMARY CAUSE OF DEATH</b>	-
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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 182

TRT#: 8

SEX: Female

DAY ON TEST: 662

DOSE: 0.6% HF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Brain	Clitoral Gland	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Bone		Hyperostosis	
Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver		Fatty Change	Moderate
		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC TGLs = 7-3			
Lung		Leukemia Mononuclear	Moderate
Lymph Node	Mandibular	Leukemia Mononuclear	Moderate
	Mediastinal	Leukemia Mononuclear	Moderate
	Mesenteric	Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC TGLs = 5-2			
Mammary Gland		Hypertrophy	Mild
Note: HYPERTROPHY TGLs = 4-10			
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Focal, Mild
Spleen		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC TGLs = 6-3			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 183

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 0.6% HF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Bone Marrow  
Intestine Large - Colon  
Intestine Small - Jejunum  
Parathyroid Gland  
Stomach - Glandular  
Uterus

Adrenal Gland - Medulla  
Brain  
Intestine Large - Rectum  
Islets, Pancreatic  
Salivary Glands  
Thymus

Blood  
Esophagus  
Intestine Small - Duodenum  
Nose  
Skin  
Trachea

Bone  
Intestine Large - Cecum  
Intestine Small - Ileum  
Pancreas  
Stomach - Forestomach  
Urinary Bladder

MISSING

Clitoral Gland

OBSERVATIONS

Heart  
Kidney  
Liver  
  
Lung  
Lymph Node  
  
Mammary Gland  
Note: FIBROADENOMA TGLs = 1-13  
Ovary  
Note: CYST TGLs = 2-6,3-6.1  
Pituitary Gland  
Note: ADENOMA TGLs = 4-8  
Spleen  
Thyroid Gland

Peribronchial  
Mesenteric  
Mandibular  
  
  
  
  
  
Pars Distalis  
  
  
C Cell

Cardiomyopathy  
Nephropathy  
Basophilic Focus  
Granuloma  
Inflammation  
Granuloma  
Infiltration Cellular  
Fibroadenoma  
  
Cyst  
  
Adenoma  
  
Hematopoietic Cell Proliferation  
Hyperplasia

Mild  
Mild  
  
Mild  
Chronic, Mild  
Mild  
Plasma Cell, Mild  
  
  
  
  
Moderate  
Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 184

TRT#: 8

SEX: Female

DAY ON TEST: 614

DOSE: 0.6% HF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Kidney		Cyst	
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Note: CYST TGLs = 7-4			
Liver		Fatty Change	Moderate
		Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC TGLs = 6-3			
Lung		Leukemia Mononuclear	Marked
Lymph Node	Mesenteric	Granuloma	Moderate
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
	Mandibular	Leukemia Mononuclear	Marked
	Mesenteric	Leukemia Mononuclear	Marked
Nose		Inflammation	Chronic, Minimal
		Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Angiectasis	Moderate
Note: ANGIECTASIS TGLs = 8-8			
Spleen		Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC TGLs = 5-3			
Stomach	Glandular	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 185

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 0.6% HF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Clitoral Gland	Esophagus	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

INSUFFICIENT TISSUE

Lymph Node - Mandibular

OBSERVATIONS

Bone Marrow		Myelofibrosis	Marked
Brain		Carcinoma	Metastatic (Pituitary Gland)
Heart		Cardiomyopathy	Mild
Intestine Large	Cecum	Parasite Metazoan	Mild
	Rectum	Parasite Metazoan	Marked
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Mild
Note: FATTY CHANGE	TGLs = 3-3		
Lung	Peribronchial	Inflammation	Chronic, Minimal
Lymph Node	Mesenteric	Congestion	Marked
Note: CONGESTION	TGLs = 5-8		
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: FIBROADENOMA	TGLs = 1-10.1		
Pituitary Gland	Pars Distalis	Carcinoma	
Note: CARCINOMA	TGLs = 4-8		
Spleen		Hematopoietic Cell Proliferation	Marked

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 187

TRT#: 8

DOSE: 0.6% HF

SEX: Female

DISP: Moribund

DAY ON TEST: 245

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Clitoral Gland  
Intestine Large - Colon  
Intestine Small - Jejunum  
Mammary Gland  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Eye  
Intestine Large - Rectum  
Islets, Pancreatic  
Ovary  
Skin  
Thymus  
Uterus

Bone  
Heart  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Pancreas  
Spinal Cord  
Thyroid Gland

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

MISSING

Esophagus Parathyroid Gland

OBSERVATIONS

Brain Astrocytoma Malignant  
Kidney Nephropathy  
Liver Fatty Change  
Necrosis  
Note: FATTY CHANGE TGLs = 4-3  
Lung Peribronchial Inflammation  
Note: INFLAMMATION TGLs = 1-1  
Nose Inflammation  
Spleen Hematopoietic Cell Proliferation  
Pigmentation

Minimal  
Minimal  
Focal, Minimal  
Chronic, Mild  
Acute, Moderate  
Minimal  
Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

<b>ANIMAL ID:</b> 189	<b>TRT#:</b> 8 <b>DOSE:</b> 0.6% HF	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 729 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Medulla	Blood	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Mammary Gland
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

**MISSING**

Lymph Node - Mandibular

**OBSERVATIONS**

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Mild
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Moderate
Liver		Basophilic Focus	
		Hyperplasia	Focal, Marked
Note: HYPERPLASIA TGLs = 2-3			
Lymph Node	Mesenteric	Granuloma	Mild
Nose		Adenoma	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-8			
Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 190

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 0.6% HF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Clitoral Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
	Medulla	Pheochromocytoma Benign	
Bone		Hyperostosis	
Brain		Hydrocephalus	Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Marked
Note: NEPHROPATHY	TGLs = 7-4		
Liver		Hyperplasia	Focal, Mild
Lung		Congestion	Minimal
	Peribronchial	Inflammation	Chronic, Mild
Note: CONGESTION	TGLs = 4-1		
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: GALACTOCELE	TGLs = 2-13		
Note: FIBROADENOMA	TGLs = 2-13,3-14		
Nose		Inflammation	Chronic, Mild
Pancreas		Angiectasis	Minimal
Note: ANGIECTASIS	TGLs = 6-9		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 8-8		
Spleen		Hematopoietic Cell Proliferation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:37

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 190	<b>TRT#:</b> 8 <b>DOSE:</b> 0.6% HF	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 729 <b>HISTO:</b>
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Stomach	Forestomach Forestomach	Acanthosis Hyperkeratosis	Marked Mild
Note: HYPERKERATOSIS TGLs = 10 Note: [ ACANTHOSIS ] TGLs = 9-7,10			
<b>PRIMARY CAUSE OF DEATH</b>	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 191

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 0.6% HF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Clitoral Gland  
Intestine Large - Colon  
Islets, Pancreatic  
Parathyroid Gland  
Stomach - Glandular  
Uterus

Adrenal Gland - Medulla  
Esophagus  
Intestine Small - Duodenum  
Lung  
Salivary Glands  
Thymus

Blood  
Eye  
Intestine Small - Ileum  
Nose  
Skin  
Trachea

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Ovary  
Stomach - Forestomach  
Urinary Bladder

OBSERVATIONS

Bone  
Brain  
Harderian Gland  
Note: PIGMENT TGLs = 1-13

Heart  
Intestine Large  
Kidney  
Liver  
  
Lymph Node  
  
Note: ANGIECTASIS TGLs = 2-9  
Mammary Gland  
Note: FIBROADENOMA TGLs = 3-14  
Pancreas  
Pituitary Gland  
Note: ADENOMA TGLs = 4-8  
Spleen  
Thyroid Gland

Rectum  
  
Bile Duct  
  
Lymphatic, Mandibular  
Mesenteric  
Mandibular

Acinus  
Pars Distalis  
  
C Cell

Hyperostosis  
Hydrocephalus  
Pigmentation  
  
Cardiomyopathy  
Parasite Metazoan  
Nephropathy  
Basophilic Focus  
Hyperplasia  
Hyperplasia  
Angiectasis  
Granuloma  
Infiltration Cellular  
  
Fibroadenoma  
  
Atrophy  
Adenoma  
  
Hematopoietic Cell Proliferation  
Adenoma

Mild  
Marked  
  
Minimal  
Moderate  
Minimal  
  
Mild  
Focal, Minimal  
Moderate  
Mild  
Plasma Cell, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 192

TRT#: 8

SEX: Female

DAY ON TEST: 678

DOSE: 0.6% HF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Clitoral Gland	Eye	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Mammary Gland	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Esophagus

OBSERVATIONS

Brain		Hemorrhage	Moderate
		Hydrocephalus	Moderate
Note: HEMORRHAGE	TGLs = 6-5		
Harderian Gland		Pigmentation	Mild
Heart		Leukemia Mononuclear	Marked
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Fatty Change	Mild
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC	TGLs = 3-3		
Note: ANOM HEPAT LOB	TGLs = 5-3		
Lung		Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC	TGLs = 2-1+2		
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Mild
	Mandibular	Leukemia Mononuclear	Marked
	Mesenteric	Leukemia Mononuclear	Marked
Nose	Respirat Epith	Degeneration	Hyaline, Mild
		Metaplasia	Squamous, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:37

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

**Lab:** TSI MASON

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**ANIMAL ID:** 192

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 678

**DOSE:** 0.6% HF

**DISP:** Moribund

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Pituitary Gland

Pars Distalis

Adenoma

Note: [ ADENOMA ] TGLs = 4-8

Spleen

Leukemia Mononuclear

Marked

Note: LEUKEMIA MONUC TGLs = 1-3.1

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 193

TRT#: 8

SEX: Female

DAY ON TEST: 708

DOSE: 0.6% HF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Brain	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lymph Node - Mandibular	Mammary Gland
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Trachea	Urinary Bladder
Uterus			

MISSING

Clitoral Gland	Thymus
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OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Mild
Liver		Fatty Change	Minimal
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Granuloma	Mild
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS	TGLs = 3-10		
Nose		Inflammation	Chronic, Mild
		Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Note: HYPERPLASIA	TGLs = 4-8		
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC	TGLs = 2-13+13.1		
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 194

TRT#: 8

SEX: Female

DAY ON TEST: 640

DOSE: 0.6% HF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Mild
Bone Marrow		Hyperplasia	Moderate
Clitoral Gland		Adenoma	
Note: ADENOMA TGLs = 3-10.1			
Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC TGLs = 8-3			
Lung		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC TGLs = 5-1			
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Mild
	Mediastinal	Infiltration Cellular	Plasma Cell, Moderate
	Mandibular	Leukemia Mononuclear	Moderate
	Mesenteric	Leukemia Mononuclear	Moderate
Note: INFILTRAT CELL TGLs = 6-2			
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 4-10			
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST TGLs = 9-8			
Spleen		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC TGLs = 7-3			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:37

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

**Lab:** TSI MASON

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**ANIMAL ID:** 194

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 640

**DOSE:** 0.6% HF

**DISP:** Moribund

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 195

TRT#: 8

SEX: Female

DAY ON TEST: 693

DOSE: 0.6% HF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Eye	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Mammary Gland	Nose	Ovary
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Trachea	Urinary Bladder	Uterus

MISSING

Islets, Pancreatic	Pancreas	Thymus
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OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Clitoral Gland		Abscess	Moderate
		Adenoma	
Note: ABSCESS	TGLs = 5-10		
Harderian Gland		Pigmentation	Moderate
Note: PIGMENT	TGLs = 2-13		
Kidney	Renal Tubule	Pigmentation	Mild
Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC	TGLs = 4-3		
Lung		Leukemia Mononuclear	Moderate
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
	Mandibular	Leukemia Mononuclear	Moderate
	Mesenteric	Leukemia Mononuclear	Moderate
Mesentery	Fat	Necrosis	Marked
Note: NECROSIS	TGLs = 7-13		
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST	TGLs = 10-8		
Spleen		Infarct	Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:37

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 195	<b>TRT#:</b> 8 <b>DOSE:</b> 0.6% HF	<b>SEX:</b> Female <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 693 <b>HISTO:</b>
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Note: INFARCT TGLs = 9-3.1 Note: LEUKEMIA MONUC TGLs = 8-3.1		Leukemia Mononuclear	Moderate
Thyroid Gland	C Cell	Hyperplasia	Mild
<b>PRIMARY CAUSE OF DEATH</b>	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 196

TRT#: 8

SEX: Female

DAY ON TEST: 585

DOSE: 0.6% HF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Clitoral Gland
Esophagus	Eye	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland	Nose
Ovary	Pancreas	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Parathyroid Gland

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Brain		Hydrocephalus	Mild
Harderian Gland		Pigmentation	Mild
Note: PIGMENT	TGLs = 1-13		
Kidney		Nephropathy	Moderate
Liver		Fatty Change	Marked
		Leukemia Mononuclear	Moderate
Note: FATTY CHANGE	TGLs = 5-3		
Lung		Leukemia Mononuclear	Moderate
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Mild
	Mesenteric	Leukemia Mononuclear	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 6-8		
Spleen		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC	TGLs = 4-3		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 197

TRT#: 8

SEX: Female

DAY ON TEST: 640

DOSE: 0.6% HF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone Marrow

Brain

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Ovary

Pancreas

Parathyroid Gland

Salivary Glands

Skin

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

Urinary Bladder

MISSING

Clitoral Gland

OBSERVATIONS

Bone

Hyperostosis

Heart

Leukemia Mononuclear

Marked

Kidney

Nephropathy

Minimal

Liver

Leukemia Mononuclear

Marked

Note: LEUKEMIA MONUC TGLs = 4-3

Lung

Leukemia Mononuclear

Marked

Note: LEUKEMIA MONUC TGLs = 7-1+2

Lymph Node

Mesenteric

Granuloma

Moderate

Mandibular

Infiltration Cellular

Plasma Cell, Moderate

Mandibular

Leukemia Mononuclear

Marked

Mesenteric

Leukemia Mononuclear

Marked

Mammary Gland

Fibroadenoma

Note: FIBROADENOMA TGLs = 2-13

Nose

Metaplasia

Squamous, Minimal

Pituitary Gland

Pars Distalis

Cyst

Note: CYST TGLs = 5-8

Spleen

Leukemia Mononuclear

Marked

Uterus

Leukemia Mononuclear

Marked

Note: POLYP STROMAL TGLs = 3-6

Polyp Stromal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:37

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

**Lab:** TSI MASON

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**ANIMAL ID:** 197

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 640

**DOSE:** 0.6% HF

**DISP:** Moribund

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 198

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 0.6% HF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Heart
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

MISSING

Mammary Gland	Skin
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OBSERVATIONS

Blood		Leukemia Mononuclear	Moderate
Intestine Large	Cecum	Parasite Metazoan	Mild
Kidney		Nephropathy	Minimal
Liver		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	Moderate
Note: ANOM HEPAT LOB TGLs = 2-3			
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Leukemia Mononuclear	Moderate
	Mesenteric	Leukemia Mononuclear	Moderate
Nose		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
Spleen		Granuloma	Mild
		Leukemia Mononuclear	Moderate
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus		Polyp Stromal	

Note: POLYP STROMAL TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 199

TRT#: 8

SEX: Female

DAY ON TEST: 519

DOSE: 0.6% HF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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	Lung
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Clitoral Gland

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Mild
Brain		Hydrocephalus	Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Fatty Change	Mild
		Granuloma	Marked
Lymph Node	Mesenteric	Granuloma	Moderate
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: FIBROADENOMA	TGLs = 2-14		
Ovary		Cyst	
Note: CYST	TGLs = 4-6		
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ]	TGLs = 5-8		
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Stomach	Glandular	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 200

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 0.6% HF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Small - Ileum  
Ovary  
Stomach - Forestomach  
Urinary Bladder

Adrenal Gland - Medulla  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Parathyroid Gland  
Stomach - Glandular  
Uterus

Bone  
Intestine Large - Rectum  
Islets, Pancreatic  
Salivary Glands  
Thymus

Brain  
Intestine Small - Duodenum  
Mammary Gland  
Skin  
Trachea

MISSING

Intestine Large - Colon

OBSERVATIONS

Blood  
Bone Marrow  
Clitoral Gland  
Note: CYST TGLs = 2-10  
Heart  
Kidney  
Liver

Leukemia Mononuclear  
Hyperplasia  
Cyst

Marked  
Mild

Note: LEUKEMIA MONUC TGLs = 6-3

Lung  
Lymph Node

Bile Duct

Cardiomyopathy  
Nephropathy  
Basophilic Focus  
Fatty Change  
Hyperplasia  
Leukemia Mononuclear

Mild  
Mild  
Mild  
Mild  
Mild  
Marked

Note: CONGESTION TGLs = 3-9

Mesentery

Note: NECROSIS TGLs = 4-13

Nose

Mandibular  
Mesenteric  
Mandibular  
Mandibular  
Mesenteric

Fat

Leukemia Mononuclear  
Congestion  
Granuloma  
Infiltration Cellular  
Leukemia Mononuclear  
Leukemia Mononuclear

Necrosis

Metaplasia

Marked  
Mild  
Mild  
Plasma Cell, Mild  
Marked  
Marked  
Marked  
Marked  
Squamous, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:37

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

**Lab:** TSI MASON

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**ANIMAL ID:** 200

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 0.6% HF

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Pancreas	Acinus	Atrophy	Focal, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
Note: ADENOMA	TGLs = 7-8		
Spleen		Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC	TGLs = 5-3		
Thyroid Gland	C Cell	Adenoma	

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 202

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 0.6% HF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Mild
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Clear Cell Focus	
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Granuloma	Minimal
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: FIBROADENOMA	TGLs = 1-13,2-14		
Nose		Inflammation	Chronic, Mild
		Metaplasia	Squamous, Moderate
Pharynx	Palate	Squamous Cell Papilloma	
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
Note: ADENOMA	TGLs = 3-8		
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 203

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 0.6% HF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mammary Gland	Ovary	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Marked
Heart		Cardiomyopathy	Mild
Intestine Large	Cecum	Parasite Metazoan	Marked
	Rectum	Parasite Metazoan	Marked
Kidney		Nephropathy	Moderate
Note: NEPHROPATHY	TGLs = 1-4		
Liver		Hyperplasia	Focal, Mild
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Marked
	Mesenteric	Infiltration Cellular	Plasma Cell, Marked
Nose	Respirat Epith	Degeneration	Hyaline, Mild
Pancreas	Acinus	Atrophy	Focal, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 2-8,3-8		
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Moderate
Thyroid Gland	C Cell	Hyperplasia	Moderate
	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 204

TRT#: 8

DOSE: 0.6% HF

SEX: Female

DISP: Moribund

DAY ON TEST: 652

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Rectum  
Islets, Pancreatic  
Ovary  
Stomach - Glandular  
Urinary Bladder

Bone  
Esophagus  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Pancreas  
Thymus

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

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

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland  
Heart  
Kidney  
    Note: NEPHROPATHY   TGLs = 6-4  
Liver  
    Note: FATTY CHANGE   TGLs = 7-3  
Lung  
Lymph Node  
    Note: CONGESTION    TGLs = 12-8  
Mesentery  
    Note: NECROSIS       TGLs = 10-3  
Pituitary Gland  
    Note: ADENOMA        TGLs = 11-8  
Spleen  
  
Stomach  
    Note: ULCER           TGLs = 8-7.1,9-7.1  
    Note: HYPERKERATOSIS   TGLs = 13-7.1

Cortex  
  
  
  
  
  
Peribronchial  
Mesenteric  
  
Fat  
  
Pars Distalis  
  
  
  
Forestomach  
Forestomach

Cytoplasmic Alteration  
Cardiomyopathy  
Nephropathy  
  
Fatty Change  
Hyperplasia  
  
Inflammation  
Congestion  
  
Necrosis  
  
Adenoma  
  
Hematopoietic Cell Proliferation  
Pigmentation  
Hyperkeratosis  
Ulcer

Focal, Mild  
Mild  
Marked  
  
Mild  
Focal, Mild  
  
Chronic, Mild  
Marked  
  
Marked  
  
  
  
Mild  
Hemosiderin, Mild  
Marked  
Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:37

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

**Lab:** TSI MASON

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**ANIMAL ID:** 204

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 652

**DOSE:** 0.6% HF

**DISP:** Moribund

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Uterus

Polyp Stromal

Note: POLYP STROMAL TGLs = 3-6,4-6,5-6.1

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 205

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 0.6% HF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Clitoral Gland	Thymus
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OBSERVATIONS

Blood		Leukemia Mononuclear	Moderate
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC	TGLs = 4-3		
Lung		Leukemia Mononuclear	Moderate
Lymph Node	Mandibular	Leukemia Mononuclear	Moderate
	Mesenteric	Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC	TGLs = 3-8		
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: FIBROADENOMA	TGLs = 1-13		
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
Note: ADENOMA	TGLs = 6-8		
Note: CYST	TGLs = 5-8		
Spleen		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC	TGLs = 2-3		
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 206

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 0.6% HF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Bone		Hyperostosis	
Clitoral Gland		Abscess	Moderate
		Adenoma	
Note: ABSCESS	TGLs = 3-10		
Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite Metazoan	Marked
Kidney		Nephropathy	Moderate
Liver		Clear Cell Focus	
		Granuloma	Mild
		Hepatodiaphragmatic Nodule	
Note: ANOM HEPAT LOB	TGLs = 5		
Lung		Alveolar/Bronchiolar Carcinoma	
	Peribronchial	Inflammation	Chronic, Moderate
Note: [ ALV BRON CARC ]	TGLs = 4-1		
Lymph Node	Mesenteric	Granuloma	Mild
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 1-13,2-13		
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 208

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 0.6% HF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Bone Marrow  
Intestine Large - Colon  
Intestine Small - Jejunum  
Salivary Glands  
Trachea

Adrenal Gland - Medulla  
Brain  
Intestine Large - Rectum  
Islets, Pancreatic  
Stomach - Forestomach  
Urinary Bladder

Blood  
Clitoral Gland  
Intestine Small - Duodenum  
Ovary  
Stomach - Glandular  
Uterus

Bone  
Esophagus  
Intestine Small - Ileum  
Parathyroid Gland  
Thymus

OBSERVATIONS

Heart  
Intestine Large  
Kidney  
Liver  
Lung  
Lymph Node

Cecum  
  
Peribronchial  
Mesenteric  
Mandibular

Cardiomyopathy  
Parasite Metazoan  
Nephropathy  
Basophilic Focus  
Inflammation  
Granuloma  
Infiltration Cellular  
Fibroadenoma

Mild  
Moderate  
Mild  
  
Chronic, Mild  
Mild  
Plasma Cell, Mild

Mammary Gland

Note: FIBROADENOMA TGLs = 2-13,3-14

Nose

Pancreas

Pituitary Gland

Acinus  
Pars Distalis  
Pars Distalis

Inflammation  
Atrophy  
Adenoma  
Cyst

Acute, Mild  
Focal, Minimal

Note: ADENOMA TGLs = 5-8

Skin

Note: PAPILLOMA SQUA TGLs = 1-6

Spleen

Note: SARCOMA TGLs = 4-3

Thyroid Gland

Vagina

Note: METESTRUS TGLs = 6-6.1

C Cell

Squamous Cell Papilloma  
  
Sarcoma  
  
Adenoma  
Metestrus

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 209

TRT#: 8

SEX: Female

DAY ON TEST: 628

DOSE: 0.6% HF

DISP: Moribund

HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Bone	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Nose	Ovary	Pancreas
Parathyroid Gland	Skin	Thyroid Gland	Tooth
Trachea			

**OBSERVATIONS**

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Mild
	Medulla	Hyperplasia	Focal, Mild
Bone Marrow		Hyperplasia	Moderate
Brain		Leukemia Mononuclear	
Clitoral Gland		Leukemia Mononuclear	
Heart		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 13-4			
Liver		Fatty Change	Mild
		Hyperplasia	Focal, Marked
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 7-3			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Mild
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 6-3			
Note: [ LEUKEMIA MONUC ] TGLs = 9-8.1			
Note: [ LEUKEMIA MONUC ] TGLs = 11-9			
Mammary Gland		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 8-8			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 17:41:37  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 209

**TRT#:** 8  
**DOSE:** 0.6% HF

**SEX:** Female  
**DISP:** Moribund

**DAY ON TEST:** 628  
**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Salivary Glands		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ]	TGLs = 5-3.1		
Stomach	Forestomach	Hyperkeratosis	Moderate
	Forestomach	Leukemia Mononuclear	
	Glandular	Leukemia Mononuclear	
Thymus		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ]	TGLs = 10-2		
Urinary Bladder		Leukemia Mononuclear	
Uterus		Dilatation	Mild
Vagina		Metestrus	
Note: METESTRUS	TGLs = 4-6		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 211

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 0.6% HF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Ear	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Ovary	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Blood		Leukemia Mononuclear	Moderate
Heart		Cardiomyopathy	Mild
Intestine Large	Rectum	Parasite Metazoan	Marked
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Granuloma	Mild
		Leukemia Mononuclear	Moderate
Lung		Leukemia Mononuclear	Moderate
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
	Mandibular	Leukemia Mononuclear	Moderate
	Mesenteric	Leukemia Mononuclear	Moderate
Mammary Gland		Ectasia	Moderate
		Fibroadenoma	
		Galactocele	
Note: FIBROADENOMA	TGLs = 1-14		
Nose		Fungus	
		Inflammation	Acute, Mild
Pancreas	Acinus	Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
Spleen		Granuloma	Marked
		Leukemia Mononuclear	Moderate

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:37

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 211	<b>TRT#:</b> 8 <b>DOSE:</b> 0.6% HF	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 732 <b>HISTO:</b>
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Thyroid Gland	C Cell	Adenoma	
<b>PRIMARY CAUSE OF DEATH</b>	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 212

TRT#: 8

SEX: Female

DAY ON TEST: 611

DOSE: 0.6% HF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Clitoral Gland  
Intestine Large - Rectum  
Lung  
Parathyroid Gland  
Thymus

Adrenal Gland - Medulla  
Ear  
Intestine Small - Duodenum  
Nose  
Salivary Glands  
Trachea

Bone  
Esophagus  
Intestine Small - Ileum  
Ovary  
Stomach - Forestomach  
Urinary Bladder

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Pancreas  
Stomach - Glandular  
Uterus

OBSERVATIONS

Brain  
Eye  
  
Note: DEGEN TGLs = 2-16  
Heart  
Intestine Large  
Islets, Pancreatic  
Kidney  
Liver  
Lymph Node  
  
Mammary Gland  
  
Note: ECTASIA TGLs = 4-10  
Note: ADENOCARC TGLs = 5-15  
Pituitary Gland  
Note: ADENOMA TGLs = 6-8  
Skin  
Note: HEMORRHAGE TGLs = 3-14  
Spleen  
Thyroid Gland

Lens  
Retina  
  
Colon  
  
Mesenteric  
Mandibular  
  
Pars Distalis  
  
C Cell

Hydrocephalus  
Degeneration  
Degeneration  
  
Cardiomyopathy  
Parasite Metazoan  
Adenoma  
Nephropathy  
Granuloma  
Granuloma  
Infiltration Cellular  
Adenocarcinoma  
Ectasia  
  
Adenoma  
  
Hemorrhage  
  
Pigmentation  
Hyperplasia

Mild  
Minimal  
Moderate  
  
Minimal  
Mild  
  
Minimal  
Moderate  
Mild  
Plasma Cell, Moderate  
  
Mild  
  
Focal, Moderate  
  
Hemosiderin, Mild  
Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 213

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 0.6% HF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Intestine Large - Rectum  
Nose

Bone  
Intestine Small - Duodenum  
Parathyroid Gland

Esophagus  
Intestine Small - Ileum  
Stomach - Forestomach

Intestine Large - Colon  
Intestine Small - Jejunum  
Trachea

MISSING

Adrenal Gland - Medulla

Islets, Pancreatic

Skin

OBSERVATIONS

Blood

Lymphocytosis

Bone Marrow

Hyperplasia

Mild

Brain

Leukemia Mononuclear

Clitoral Gland

Leukemia Mononuclear

Heart

Leukemia Mononuclear

Intestine Large

Cecum

Leukemia Mononuclear

Kidney

Pelvis, Transit Epithe

Hyperplasia

Moderate

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 13-4

Liver

Fatty Change

Mild

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 12-3

Lung

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 6-1+2

Lymph Node

Mandibular

Leukemia Mononuclear

Mesenteric

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 15-8

Note: [ LEUKEMIA MONUC ] TGLs = 2-9

Mammary Gland

Fibroadenoma

Leukemia Mononuclear

Note: FIBROADENOMA TGLs = 3-13

Ovary

Cyst

Leukemia Mononuclear

Note: CYST TGLs = 7-6.1

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 17:41:37  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 213	<b>TRT#:</b> 8 <b>DOSE:</b> 0.6% HF	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 731 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Pancreas Note: [ LEUKEMIA MONUC ] TGLs = 8-9,11-14		Leukemia Mononuclear
Pituitary Gland Note: [ LEUKEMIA MONUC ] TGLs = 14-8		Leukemia Mononuclear
Salivary Glands Note: [ LEUKEMIA MONUC ] TGLs = 1-9		Leukemia Mononuclear
Spleen		Leukemia Mononuclear
Stomach Thymus Note: [ LEUKEMIA MONUC ] TGLs = 5-2	Glandular	Leukemia Mononuclear Leukemia Mononuclear
Thyroid Gland Note: [ LEUKEMIA MONUC ] TGLs = 4-8		Leukemia Mononuclear
Urinary Bladder Note: [ LEUKEMIA MONUC ] TGLs = 9-9		Leukemia Mononuclear
Uterus Note: [ LEUKEMIA MONUC ] TGLs = 10-6		Leukemia Mononuclear

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 214

TRT#: 8

SEX: Female

DAY ON TEST: 639

DOSE: 0.6% HF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Brain

Clitoral Gland

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Kidney

Mammary Gland

Ovary

Parathyroid Gland

Salivary Glands

Skin

Stomach - Forestomach

Stomach - Glandular

Thymus

Trachea

Urinary Bladder

MISSING

Islets, Pancreatic

Pancreas

OBSERVATIONS

Bone

Hyperostosis

Bone Marrow

Hyperplasia

Mild

Heart

Leukemia Mononuclear

Marked

Liver

Fatty Change

Marked

Bile Duct

Hyperplasia

Moderate

Leukemia Mononuclear

Marked

Note: LEUKEMIA MONUC TGLs = 8-3

Lung

Leukemia Mononuclear

Marked

Lymph Node

Mandibular

Infiltration Cellular

Plasma Cell, Moderate

Mandibular

Leukemia Mononuclear

Marked

Mesenteric

Leukemia Mononuclear

Marked

Note: LEUKEMIA MONUC TGLs = 7-8

Nose

Fungus

Moderate

Inflammation

Acute, Mild

Pituitary Gland

Pars Distalis

Cyst

Note: CYST TGLs = 10-8

Spleen

Leukemia Mononuclear

Marked

Note: LEUKEMIA MONUC TGLs = 6-3

Thyroid Gland

Follicular Cel

Carcinoma

Note: CARCINOMA TGLs = 4-8.1

Uterus

Polyp Stromal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:37

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 214	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 639
	<b>DOSE:</b> 0.6% HF	<b>DISP:</b> Moribund	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: POLYP STROMAL	TGLs = 5-6
<b>PRIMARY CAUSE OF DEATH</b>	-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 215

TRT#: 8

SEX: Female

DAY ON TEST: 471

DOSE: 0.6% HF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Eye	Heart
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Clitoral Gland		Abscess	Moderate
Note: ABSCESS	TGLs = 4-14		
Intestine Large	Cecum	Parasite Metazoan	Marked
	Colon	Parasite Metazoan	Mild
	Rectum	Parasite Metazoan	Moderate
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Granuloma	Moderate
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 3-13,4-14		
Nose		Inflammation	Chronic, Moderate
		Metaplasia	Squamous, Moderate
Peripheral Nerve		Degeneration	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 5-8		
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 217

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 0.6% HF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Moderate
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Granuloma	Mild
Nose	Respirat Epith	Degeneration	Hyaline, Mild
		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
Skin		Cyst Epithelial Inclusion	
Note: CYST EPITH INC TGLs = 1-13			
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 219

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 0.6% HF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Brain

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Nose

Ovary

Pancreas

Parathyroid Gland

Salivary Glands

Skin

Stomach - Glandular

Trachea

Urinary Bladder

MISSING

Clitoral Gland

Mammary Gland

Thymus

OBSERVATIONS

Blood

Leukemia Mononuclear

Moderate

Bone Marrow

Hyperplasia

Mild

Eye

Retina

Degeneration

Marked

Note: DEGEN TGLs = 1-13

Harderian Gland

Pigmentation

Moderate

Heart

Cardiomyopathy

Minimal

Kidney

Nephropathy

Marked

Note: NEPHROPATHY TGLs = 6-4,7-4

Liver

Leukemia Mononuclear

Moderate

Note: NO FOCUS SEEN IN SLIDES

Lung

Leukemia Mononuclear

Moderate

Note: LEUKEMIA MONUC TGLs = 3-1+2

Lymph Node

Mandibular

Infiltration Cellular

Plasma Cell, Moderate

Mandibular

Leukemia Mononuclear

Moderate

Mesenteric

Leukemia Mononuclear

Moderate

Pituitary Gland

Pars Distalis

Hyperplasia

Focal, Mild

Spleen

Leukemia Mononuclear

Moderate

Note: LEUKEMIA MONUC TGLs = 5-3

Stomach

Forestomach

Hyperkeratosis

Moderate

Thyroid Gland

C Cell

Hyperplasia

Mild

Uterus

Polyp Stromal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:37

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

**Lab:** TSI MASON

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**ANIMAL ID:** 219

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 0.6% HF

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Note: POLYP STROMAL TGLs = 4-6

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 220

TRT#: 8

DOSE: 0.6% HF

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Rectum  
Islets, Pancreatic  
Pancreas  
Stomach - Forestomach  
Urinary Bladder

Adrenal Gland - Medulla  
Esophagus  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Parathyroid Gland  
Stomach - Glandular

Bone  
Intestine Large - Cecum  
Intestine Small - Ileum  
Mammary Gland  
Salivary Glands  
Thymus

Bone Marrow  
Intestine Large - Colon  
Intestine Small - Jejunum  
Ovary  
Skin  
Trachea

OBSERVATIONS

Blood  
Clitoral Gland  
    Note: ADENOMA      TGLs = 1-10  
Heart  
Kidney  
Liver

Leukemia Mononuclear  
Adenoma  
  
Cardiomyopathy  
Nephropathy  
Basophilic Focus  
Hepatodiaphragmatic Nodule  
Hyperplasia  
Leukemia Mononuclear

Moderate  
  
  
Mild  
Moderate  
  
Mild  
Moderate

    Note: ANOM HEPAT LOB      TGLs = 4-3.1  
Lung  
Lymph Node  
Nose  
Pituitary Gland  
    Note: ADENOMA      TGLs = 5-8  
Spleen

Bile Duct  
  
  
Mesenteric  
  
Pars Distalis

Leukemia Mononuclear  
Granuloma  
Inflammation  
Adenoma  
  
Granuloma  
Leukemia Mononuclear  
Pigmentation  
Carcinoma

Moderate  
Mild  
Chronic, Mild  
  
Moderate  
Moderate  
Hemosiderin, Moderate

Thyroid Gland  
    Note: CARCINOMA      TGLs = 3-8  
Uterus  
    Note: POLYP STROMAL      TGLs = 2-6

Polyp Stromal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:37

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

**Lab:** TSI MASON

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**ANIMAL ID:** 220

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 0.6% HF

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

**ANIMAL ID:** 221

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 0.6% HF

**DISP:** Terminal Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Bone Marrow  
Heart  
Intestine Small - Ileum  
Nose  
Salivary Glands  
Thymus

Adrenal Gland - Medulla  
Brain  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Ovary  
Skin  
Trachea

Blood  
Clitoral Gland  
Intestine Large - Rectum  
Islets, Pancreatic  
Pancreas  
Stomach - Forestomach  
Urinary Bladder

Bone  
Esophagus  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Parathyroid Gland  
Stomach - Glandular  
Uterus

**MISSING**

Mammary Gland

**OBSERVATIONS**

Intestine Large  
Kidney  
Liver  
Lung

Colon

Parasite Metazoan  
Nephropathy  
Basophilic Focus  
Inflammation  
Metaplasia

Mild  
Mild  
Chronic, Mild  
Mild

Note: METAPL TGLs = 2-2.1

Lymph Node  
Pituitary Gland

Mesenteric  
Pars Distalis

Granuloma  
Angiectasis

Minimal  
Mild

Note: [ ANGIECTASIS ] TGLs = 1-8

Spleen  
Thyroid Gland

C Cell

Hematopoietic Cell Proliferation  
Hyperplasia

Mild  
Marked

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 222

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 0.6% HF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood	Bone	Bone Marrow	Brain
Clitoral Gland	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

MISSING

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Esophagus	Mammary Gland
Pituitary Gland			

OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Kidney	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Mild
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Moderate
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Nose		Inflammation	Chronic, Moderate
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 224

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 0.6% HF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood	Bone	Brain
Clitoral Gland	Esophagus	Heart	Intestine Large - Cecum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Bone Marrow		Hyperplasia	Mild
Intestine Large	Colon	Parasite Metazoan	Mild
	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Mild
Liver		Granuloma	Minimal
Note: NO FOCUS SEEN IN SLIDES			
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Granuloma	Mild
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: FIBROADENOMA TGLs = 1-13			
Nose		Inflammation	Chronic, Mild
Ovary		Congestion	Mild
Note: CONGESTION TGLs = 2-6			
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Focal, Mild
Spleen		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 225

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 0.6% HF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Parathyroid Gland  
Stomach - Glandular  
Uterus

Blood  
Clitoral Gland  
Intestine Large - Rectum  
Islets, Pancreatic  
Salivary Glands  
Thyroid Gland

Bone  
Esophagus  
Intestine Small - Duodenum  
Mammary Gland  
Skin  
Trachea

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Pancreas  
Stomach - Forestomach  
Urinary Bladder

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Adrenal Gland  
Eye  
  
Note: DEGEN TGLs = 1-13  
Note: DEGEN TGLs = 2-13  
Heart  
Kidney  
Liver

Cortex  
Lens  
Retina

Cytoplasmic Alteration  
Degeneration  
Degeneration

Focal, Mild  
Moderate  
Marked

Lung  
Lymph Node  
Mesentery

Bile Duct  
Peribronchial  
Mesenteric  
Fat

Cardiomyopathy  
Nephropathy  
Basophilic Focus  
Granuloma  
Hyperplasia  
Inflammation  
Granuloma  
Necrosis

Mild  
Minimal  
  
Minimal  
Mild  
Chronic, Mild  
Mild  
Moderate

Nose  
Ovary  
Note: CONGESTION TGLs = 3-6

Inflammation  
Congestion

Chronic, Mild  
Mild

Pituitary Gland  
Spleen  
Thymus

Pars Distalis

Adenoma  
Hematopoietic Cell Proliferation  
Cyst

Mild

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:37

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

**Lab:** TSI MASON

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**ANIMAL ID:** 225

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 0.6% HF

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

<b>ANIMAL ID:</b> 226	<b>TRT#:</b> 8 <b>DOSE:</b> 0.6% HF	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 730 <b>HISTO:</b>
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ORGAN AND ACCOUNTABLE SITE STATUS

<b>NORMAL</b>			
Blood	Bone	Bone Marrow	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Nose
Ovary	Pancreas	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Trachea	Urinary Bladder
Uterus			

<b>MISSING</b>			
Adrenal Gland - Medulla	Clitoral Gland	Lymph Node - Mandibular	Parathyroid Gland
Thymus			

<b>OBSERVATIONS</b>			
Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Moderate
Heart	Artery	Inflammation	Chronic, Marked
Intestine Large	Colon	Parasite Metazoan	Moderate
Kidney		Nephropathy	Moderate
Liver		Hyperplasia	Focal, Mild
Note: HYPERPLASIA TGLs = 4-3			
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Granuloma	Mild
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-13			
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 2-14			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 3-8			
Spleen		Pigmentation	Hemosiderin, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

<b>PRIMARY CAUSE OF DEATH</b>	-
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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 227

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 0.6% HF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Ovary	Pancreas
Salivary Glands	Skin	Stomach - Forestomach	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Moderate
	Medulla	Pheochromocytoma Benign	
Note: PHEOCHROM BGN	TGLs = 2-8		
Blood		Leukemia Mononuclear	Moderate
Bone		Hyperostosis	
Bone Marrow		Myelofibrosis	Mild
Heart		Leukemia Mononuclear	Moderate
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	Moderate
Lung		Leukemia Mononuclear	Moderate
Lymph Node	Mandibular	Leukemia Mononuclear	Moderate
	Mesenteric	Leukemia Mononuclear	Moderate
Nose	Respirat Epith	Degeneration	Hyaline, Mild
		Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Focal, Moderate
Spleen		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC	TGLs = 1-3		
Stomach	Glandular	Leukemia Mononuclear	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:37

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

**Lab:** TSI MASON

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**ANIMAL ID:** 227

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 0.6% HF

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 228

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 0.6% HF

DISP: Terminal Sacrifice

HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Rectum  
Islets, Pancreatic  
Salivary Glands  
Trachea

Adrenal Gland - Medulla  
Esophagus  
Intestine Small - Duodenum  
Mammary Gland  
Skin  
Urinary Bladder

Blood  
Intestine Large - Cecum  
Intestine Small - Ileum  
Ovary  
Stomach - Forestomach  
Uterus

Bone Marrow  
Intestine Large - Colon  
Intestine Small - Jejunum  
Parathyroid Gland  
Stomach - Glandular

**MISSING**

Clitoral Gland                      Thymus

**OBSERVATIONS**

Bone		Hyperostosis	
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
Nose		Inflammation	Chronic, Minimal
		Metaplasia	Squamous, Mild
Pancreas	Duct	Ectasia	Mild
Pituitary Gland	Pars Distalis	Cyst	
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 229

TRT#: 8

SEX: Female

DAY ON TEST: 672

DOSE: 0.6% HF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Mild
Intestine Large	Rectum	Parasite Metazoan	Moderate
Kidney		Nephropathy	Mild
Liver		Fatty Change	Moderate
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	Marked
Note: FATTY CHANGE TGLs = 6-3			
Note: FATTY CHANGE TGLs = 12-3			
Note: ANOM HEPAT LOB TGLs = 9-3			
Lung		Leukemia Mononuclear	Marked
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
	Mediastinal	Leukemia Mononuclear	Marked
	Mesenteric	Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC TGLs = 7-3			
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 3-13			
Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	
Note: [ ANGIECTASIS ] TGLs = 8-8			
Spleen		Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC TGLs = 5-3.1			
Stomach	Forestomach	Ulcer	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:37

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

**Lab:** TSI MASON

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**ANIMAL ID:** 229

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 672

**DOSE:** 0.6% HF

**DISP:** Moribund

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: ULCER      TGLs = 10-7

Thyroid Gland

C Cell

Hyperplasia

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 231

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 0.6% HF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Mild
Heart		Cardiomyopathy	Moderate
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Moderate
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Nose		Metaplasia	Squamous, Mild
Pancreas	Acinus	Atrophy	Focal, Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
Note: [ HYPERPLASIA ] TGLs = 1-8			
Spleen		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 232

TRT#: 8

SEX: Female

DAY ON TEST: 668

DOSE: 0.6% HF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Minimal
Bone		Hyperostosis	
Heart		Cardiomyopathy	Minimal
Kidney	Renal Tubule	Adenoma	
		Nephropathy	Marked
Note: NEPHROPATHY	TGLs = 7-4,8-4		
Liver		Granuloma	Mild
		Leukemia Mononuclear	Moderate
Lung		Carcinoma	Metastatic (Thyroid Gland)
Lymph Node	Mesenteric	Granuloma	Mild
Mammary Gland		Ectasia	Marked
Mesentery	Fat	Necrosis	Marked
Note: NECROSIS	TGLs = 6-6		
Nose		Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Spleen		Leukemia Mononuclear	Moderate
Stomach	Glandular	Inflammation	Chronic, Mild
Note: INFLAMMATION	TGLs = 9		
Thyroid Gland	C Cell	Carcinoma	
Note: CARCINOMA	TGLs = 3-7.1,4-7.1		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:37

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

**Lab:** TSI MASON

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**ANIMAL ID:** 232

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 668

**DOSE:** 0.6% HF

**DISP:** Moribund

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 234

TRT#: 8

DOSE: 0.6% HF

SEX: Female

DISP: Moribund

DAY ON TEST: 729

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Nose	Ovary	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Moderate
Blood		Leukemia Mononuclear	Moderate
Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Marked
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	Moderate
Note: LEUKEMIA MONUC TGLs = 6-3			
Lung		Leukemia Mononuclear	Moderate
Lymph Node	Mesenteric	Granuloma	Mild
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
	Mandibular	Leukemia Mononuclear	Moderate
	Mesenteric	Leukemia Mononuclear	Moderate
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: FIBROADENOMA TGLs = 3-10.1+10.2			
Mesentery	Fat	Necrosis	Marked
Note: NECROSIS TGLs = 4-6			
Pancreas	Acinus	Atrophy	Focal, Marked
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Focal, Mild
Note: [ HYPERPLASIA ] TGLs = 7-8			
Spleen		Leukemia Mononuclear	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:37

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

**Lab:** TSI MASON

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**ANIMAL ID:** 234

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 0.6% HF

**DISP:** Moribund

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: LEUKEMIA MONUC TGLs = 5-3

Thyroid Gland

C Cell

Adenoma

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 235

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 0.6% HF

DISP: Terminal Sacrifice

HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Adrenal Gland	Cortex	Cytoplasmic Alteration	Focal, Mild
Bone Marrow		Hyperplasia	Moderate
Clitoral Gland		Carcinoma	
Note: CARCINOMA	TGLs = 1-10.1		
Heart		Cardiomyopathy	Mild
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Cyst	
Note: CYST	TGLs = 3-3		
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Inguinal, Lymphatic	Angiectasis	Marked
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Note: ANGIECTASIS	TGLs = 2-9		
Pituitary Gland	Pars Distalis	Cyst	
Spleen		Hematopoietic Cell Proliferation	Marked
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 236

TRT#: 8

SEX: Female

DAY ON TEST: 690

DOSE: 0.6% HF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

Adrenal Gland - Medulla  
Esophagus  
Intestine Small - Duodenum  
Nose  
Salivary Glands  
Urinary Bladder

Bone  
Intestine Large - Cecum  
Intestine Small - Ileum  
Ovary  
Stomach - Forestomach  
Uterus

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Pancreas  
Thymus

OBSERVATIONS

Bone Marrow  
Heart  
Kidney  
Liver

Hyperplasia  
Cardiomyopathy  
Nephropathy  
Fatty Change  
Leukemia Mononuclear  
Necrosis

Mild  
Mild  
Mild  
Minimal  
Moderate  
Focal, Minimal

Note: LEUKEMIA MONUC TGLs = 7-3

Lung  
Lymph Node

Mesenteric  
Mandibular

Leukemia Mononuclear  
Congestion  
Infiltration Cellular  
Adenocarcinoma  
Inflammation

Moderate  
Moderate  
Plasma Cell, Marked  
Acute, Marked

Note: INFLAMMATION TGLs = 5-14

Pituitary Gland  
Skin

Pars Distalis  
Subcut Tiss

Cyst  
Fibrosarcoma

Note: FIBROSARC TGLs = 4-13

Spleen

Leukemia Mononuclear  
Pigmentation

Moderate  
Hemosiderin, Moderate

Note: LEUKEMIA MONUC TGLs = 6-3

Stomach  
Thyroid Gland

Glandular  
C Cell

Mineralization  
Hyperplasia

Moderate  
Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 237

TRT#: 8

DOSE: 0.6% HF

SEX: Female

DISP: Moribund

DAY ON TEST: 554

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Bone		Hyperostosis	
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC	TGLs = 7-3		
Lung		Leukemia Mononuclear	Marked
Lymph Node	Mandibular	Leukemia Mononuclear	Marked
	Mediastinal	Leukemia Mononuclear	Marked
	Mesenteric	Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC	TGLs = 4-2+4		
Note: LEUKEMIA MONUC	TGLs = 3-9		
Nose		Metaplasia	Squamous, Mild
Pancreas	Acinus	Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Angiectasis	Mild
Note: [ ANGIECTASIS ]	TGLs = 8-8		
Spleen		Leukemia Mononuclear	Marked
Note: LEUKEMIA MONUC	TGLs = 5-3		
Stomach	Glandular	Inflammation	Chronic, Minimal
Uterus		Polyp Stromal	
Note: POLYP STROMAL	TGLs = 6-6		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 238

TRT#: 8

DOSE: 0.6% HF

SEX: Female

DISP: Moribund

DAY ON TEST: 308

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Liver	Nose	Pancreas	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Uterus		

MISSING

Lymph Node - Mandibular	Mammary Gland	Ovary	Parathyroid Gland
Thymus			

OBSERVATIONS

Adrenal Gland Note: CONGESTION TGLs = 6-8	Cortex	Congestion	Mild
Clitoral Gland		Carcinoma	
Heart		Cardiomyopathy	Minimal
Kidney	Pelvis, Transit Epithe	Calculus Gross Observation	
		Hyperplasia	Moderate
		Inflammation	Chronic, Moderate
Note: CALCUS GRO OBS TGLs = 7-4			
Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Congestion	Mild
Note: CONGESTION TGLs = 5-9			
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Focal, Mild
Spleen		Pigmentation	Hemosiderin, Marked
Note: PIGMENT TGLs = 9-3			
Urinary Bladder	Transit Epithe	Calculus Gross Observation	
		Hyperplasia	Diffuse, Marked
Note: CALCUS GRO OBS TGLs = 2-9			
Note: [ HYPERPLASIA ] TGLs = 3-9,4-9			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:37

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

**Lab:** TSI MASON

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**ANIMAL ID:** 238

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 308

**DOSE:** 0.6% HF

**DISP:** Moribund

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 239

TRT#: 8

SEX: Female

DAY ON TEST: 354

DOSE: 0.6% HF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Ovary  
Stomach - Forestomach  
Trachea

Bone  
Heart  
Intestine Small - Duodenum  
Kidney  
Pancreas  
Stomach - Glandular  
Urinary Bladder

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lung  
Salivary Glands  
Thymus  
Uterus

MISSING

Clitoral Gland

Mammary Gland

Parathyroid Gland

OBSERVATIONS

Liver

Basophilic Focus  
Hepatodiaphragmatic Nodule

Note: ANOM HEPAT LOB TGLs = 2

Lymph Node

Mandibular

Infiltration Cellular

Plasma Cell, Moderate

Nose

Inflammation

Chronic, Minimal

Pituitary Gland

Pars Distalis

Cyst

Spleen

Pigmentation

Hemosiderin, Mild

Zymbal's Gland

Carcinoma

Note: CARCINOMA TGLs = 1-13

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05035-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/17/2014

Time Report Requested: 17:41:37

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 240

TRT#: 8

SEX: Female

DAY ON TEST: 585

DOSE: 0.6% HF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mammary Gland	Parathyroid Gland	Salivary Glands	Skin
Stomach - Glandular	Thyroid Gland	Trachea	

OBSERVATIONS

Adrenal Gland	Cortex	Atrophy	Moderate
Bone Marrow		Hyperplasia	Moderate
Heart		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 5-8			
Nose		Metaplasia	Squamous, Moderate
Ovary		Leukemia Mononuclear	
Pancreas	Acinus	Atrophy	Focal, Moderate
Pituitary Gland		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
Stomach	Forestomach	Leukemia Mononuclear	
Thymus		Leukemia Mononuclear	
Urinary Bladder		Leukemia Mononuclear	
Uterus		Leukemia Mononuclear	
		Polyp Stromal	
Note: POLYP STROMAL TGLs = 4			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05035-03

**Test Type:** CHRONIC

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 17:41:37

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

**Lab:** TSI MASON

**\*\* END OF REPORT \*\***

\* PROTOCOL REQUIRED TISSUE