

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**C Number:** C56097  
**Lock Date:** Not Entered.  
**Cage Range:** All  
**Date Range:** All  
**Reasons For Removal:** All  
**Removal Date Range:** All  
**Treatment Groups:** All  
**Study Gender:** Both  
**PWG Approval Date:** 07/17/1989

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:12

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 1

TRT#: 1

SEX: Male

DAY ON TEST: 447

DOSE: VEHICLE MALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Esophagus	Mammary Gland	Parathyroid Gland	Preputial Gland
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OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney		Fibrosarcoma	Metastatic (Skin)
	Papilla	Mineralization	Minimal
	Renal Tubule	Pigmentation	Minimal
Note: FIBROSARC	TGLs = 9-4		
Liver		Basophilic Focus	
		Congestion	Mild
		Fatty Change	Focal, Minimal
Note: CONGESTION	TGLs = 10-3		
Lung		Bronchiectasis	Mild
		Fibrosarcoma	Metastatic (Skin)
		Infiltration Cellular	Histiocyte, Mild
	Bronchiole	Metaplasia	Squamous, Minimal
Note: FIBROSARC	TGLs = 4-1+2+2.1,5-1+2+2.1,6-1+2+2.1		
Lymph Node	Bronchial, Mediastinal	Fibrosarcoma	Metastatic (Skin)
Note: FIBROSARC	TGLs = 2-14		
Note: FIBROSARC	TGLs = 3-2+14		
Skeletal Muscle		Fibrosarcoma	Metastatic (Skin)
Note: FIBROSARC	TGLs = 11-14		
Skin	Subcut Tiss	Fibrosarcoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
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**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 1	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 447
	<b>DOSE:</b> VEHICLE MALE	<b>DISP:</b> Moribund	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: MYOSARCOMA AND NEUROFIBROSARCOMA

Note: THIS NEOPLASM HAS MANY OF THE FEATURES OF A RHABDO-

Note: FIBROSARC TGLs = 1-13

Testes	Interstitial Cell	Hyperplasia	Minimal
Thymus		Fibrosarcoma	Metastatic (Skin)

Note: INVASIVE RATHER THAN METASTATIC TUMOR

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:12

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 2

TRT#: 1

SEX: Male

DAY ON TEST: 610

DOSE: VEHICLE MALE

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	Nose	Pancreas
Preputial Gland	Prostate	Seminal Vesicle	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
Brain			
Note: DISTENDED VENTRICLES			
Heart		Cardiomyopathy	Mild
Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
		Fatty Change	Diffuse, Mild
Lung		Congestion	Mild
Note: CONGESTION TGLs = 4-1+2			
Mammary Gland		Galactocele	
Note: GALACTOCELE TGLs = 2-14			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
Note: ADENOMA TGLs = 9-8			
Salivary Glands	Duct	Inflammation	Chronic Active, Mild
	Duct	Metaplasia	Squamous, Minimal
Skin	Subcut Tiss	Fibroma	
Note: FIBROMA TGLs = 1-13			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 2	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 610
	<b>DOSE:</b> VEHICLE MALE	<b>DISP:</b> Moribund	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Testes	Bilateral, Interstit Cell Interstit Cell	Adenoma Hyperplasia	Mild
Note: ADENOMA	TGLs = 6-6		

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:12

First Dose M/F: NA / NA

Lab: TSI MASON

<b>ANIMAL ID:</b> 3	<b>TRT#:</b> 1 <b>DOSE:</b> VEHICLE MALE	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 740 <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 - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite	Minimal
Kidney	Renal Tubule	Nephropathy	Mild
Liver		Pigmentation	Minimal
		Basophilic Focus	
		Fatty Change	Focal, Mild
Mammary Gland		Fibroadenoma	
Note: MORE LIKE A S.C. FIBROMA [ Fibroadenoma TGLs = 1-13 ]			
Spleen		Hematopoietic Cell Proliferation	Mild
Note: HEMA CELL PROL TGLs = 5-3			
Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma	
		Atrophy	Mild
Note: ADENOMA TGLs = 4-6			
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 4	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 737
	<b>DOSE:</b> VEHICLE MALE	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**OBSERVATIONS**

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
		Fatty Change	Focal, Mild
	Bile Duct	Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
[ Atrophy TGLS = 1-6 ]			
Thyroid Gland	C Cell	Adenoma	

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:12

First Dose M/F: NA / NA

Lab: TSI MASON

<b>ANIMAL ID:</b> 5	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 707
	<b>DOSE:</b> VEHICLE MALE	<b>DISP:</b> Moribund	<b>HISTO:</b>

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
	Renal Tubule	Pigmentation	Minimal
Liver	Bile Duct	Hyperplasia	Mild
		Mixed Cell Focus	
Lymph Node	Mediastinal	Infiltration Cellular	Histiocyte, Mild
	Renal	Infiltration Cellular	Histiocyte, Mild
Note: INFILTRAT CELL	TGLs = 12-15		
Note: INFILTRAT CELL	TGLs = 6-2		
Mammary Gland		Galactocele	
Note: GALACTOCELE	TGLs = 2-13+14,3-13+14		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 14-8		
Prostate		Inflammation	Chronic Active, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Tunic	Mesothelioma Malignant	
Note: ADENOMA	TGLs = 7-6		

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:12

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 6

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: VEHICLE MALE

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	Lung
Lymph Node - Mesenteric	Nose	Parathyroid Gland	Pituitary Gland
Preputial Gland	Prostate	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

**MISSING**

Mammary Gland

**OBSERVATIONS**

Adrenal Gland	Medulla	Hyperplasia	Minimal
Intest Large			
Note: FOCAL MINERALIZATION OF MUCOSA.			
Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
		Fatty Change	Focal, Mild
	Bile Duct	Hyperplasia	Mild
Pancreas	Acinus	Hyperplasia	Mild
Salivary Glands	Duct	Metaplasia	Squamous, Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild

[ Atrophy TGLS = 1-6 ]

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:12

First Dose M/F: NA / NA

Lab: TSI MASON

<b>ANIMAL ID:</b> 7	<b>TRT#:</b> 1 <b>DOSE:</b> VEHICLE MALE	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 737 <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	Lung	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland	Skin
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OBSERVATIONS

Adrenal Gland Note: PHEOCHROM BGN TGLs = 2-8	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Kidney	Cortex	Mineralization	Minimal
	Papilla	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Mild
		Neoplastic Nodule	
Note: NEOPLASTIC NOD TGLs = 3-3			
Nose Note: BLOOD IN NASAL CAVITY			
Testes Note: ADENOMA TGLs = 1-6	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:12

First Dose M/F: NA / NA

Lab: TSI MASON

<b>ANIMAL ID:</b> 8	<b>TRT#:</b> 1 <b>DOSE:</b> VEHICLE MALE	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 737 <b>HISTO:</b>
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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	Islets, Pancreatic	Liver	Lung
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Preputial Gland	Prostate	Seminal Vesicle
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

MISSING

Intestine Small - Jejunum

OBSERVATIONS

Adrenal Gland Note: [ PHEOCHROM MAL ] TGLs = 2-8.1	Medulla	Pheochromocytoma Malignant	
Kidney	Papilla	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
		Nephropathy	Moderate
	Renal Tubule	Pigmentation	Minimal
Pituitary Gland Note: ADENOMA TGLs = 3-8	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
Salivary Glands	Duct	Metaplasia	Squamous, Minimal
Skin Note: FIBROMA TGLs = 1-13	Subcut Tiss	Fibroma	
Testes Note: ADENOMA TGLs = 5-6.1	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 9                      **TRT#:** 1                      **SEX:** Male                      **DAY ON TEST:** 738  
**DOSE:** VEHICLE MALE                      **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	Lung	Lymph Node - Mesenteric
Nose	Pancreas	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

**MISSING**

Mammary Gland	Parathyroid Gland
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**OBSERVATIONS**

Heart		Cardiomyopathy	Mild
Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
		Fatty Change	Focal, Minimal
	Bile Duct	Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Skin		Cyst Epithelial Inclusion	
		Hyperkeratosis	Moderate
Note: CYST EPITH INC    TGLs = 1-13			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild

**PRIMARY CAUSE OF DEATH**                      -

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:12

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: VEHICLE MALE

DISP: Terminal Sacrifice

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 Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Intestine Large - Rectum	Mammary Gland
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OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
		Fatty Change	Focal, Mild
	Bile Duct	Hyperplasia	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild

[ Atrophy TGLS = 1-6 ]

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:12

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 738

DOSE: VEHICLE MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Hyperplasia	Mild
Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate

[ Atrophy TGLS = 1-6,3-6 ]

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:12

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 720

DOSE: VEHICLE MALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Fatty Change	Diffuse, Moderate
	Bile Duct	Hyperplasia	Mild
Lymph Node	Renal	Infiltration Cellular	Histiocyte, Mild
Note: INFILTRAT CELL TGLs = 12-3			
Mammary Gland		Galactocele	
Note: GALACTOCELE TGLs = 4-13			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 13-8			
Spleen		Infiltration Cellular	Histiocyte, Moderate
Stomach	Forestomach	Acanthosis	Mild
	Forestomach	Hyperkeratosis	Mild
	Forestomach	Necrosis	Mild
Note: ACANTHOSIS TGLs = 14-7			
Note: NECROSIS TGLs = 14-7			
Note: HYPERKERATOSIS TGLs = 14-7			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 6-6			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01

**Test Type:** CHRONIC

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Probenecid

**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 23:03:12

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

**Lab:** TSI MASON

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**ANIMAL ID:** 12

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 720

**DOSE:** VEHICLE MALE

**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: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:12

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 738

DOSE: VEHICLE MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
	Bilateral, Medulla	Pheochromocytoma Benign	
Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
		Clear Cell Focus	Minimal
		Fatty Change	Focal, Mild
	Bile Duct	Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Salivary Glands	Duct	Inflammation	Chronic Active, Minimal
	Duct	Metaplasia	Squamous, Mild
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild

Note: ADENOMA TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:12

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: VEHICLE MALE

DISP: Terminal Sacrifice

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	Lung	Lymph Node - Mesenteric
Mammary Gland	Nose	Parathyroid Gland	Pituitary Gland
Preputial Gland	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Heart		Cardiomyopathy	Mild
	Artery	Necrosis	Fibrinoid, Mild
Islets, Pancreatic		Adenoma	
Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Renal Tubule	Hyperplasia	Minimal
	Papilla	Mineralization	Minimal
		Nephropathy	Moderate
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
Note: RATHER THAN NEOPLASTIC NODULE AS THERE IS NO COM- Note: PRESSION AND THE CYTOLOGY OF THE CELLS IS SIMILAR Note: THIS MASS IS CONSIDERED AS AN ANAMOLOUS LOBE Note: ANOM HEPAT LOB TGLs = 6-3.1 Note: TO THAT OF THE ADJACENT HEPATOCYTES.			
Mesentery	Artery	Necrosis	Fibrinoid, Moderate
Note: NECROSIS TGLs = 4-13			
Nose			
Note: BLOOD IN NASAL CAVITY			
Pancreas	Acinus	Atrophy	Mild
	Artery	Necrosis	Fibrinoid, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 14	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 737
	<b>DOSE:</b> VEHICLE MALE	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: NECROSIS	TGLs = 2-9		
Prostate		Inflammation	Chronic Active, Minimal
Salivary Glands	Acinus	Inflammation	Chronic Active, Minimal
Note: INTERSTITIAL FIBROSIS IN AREAS			
Spleen		Hematopoietic Cell Proliferation	Mild
Note: HEMA CELL PROL	TGLs = 3-3		
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
Note: ADENOMA	TGLs = 1-6		
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: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:12

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 636

DOSE: VEHICLE MALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Harderian Gland  
Intestine Small - Ileum  
Nose  
Skin  
Urinary Bladder

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Prostate  
Stomach - Glandular

Bone  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Salivary Glands  
Thymus

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

MISSING

Parathyroid Gland

AUTO PRECLUDES DIAG.

Intestine Large - Colon

OBSERVATIONS

Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Moderate
Liver		Fatty Change	Diffuse, Moderate
Lung		Congestion	Mild
Lymph Node	Renal	Angiectasis	Mild
	Renal	Depletion Lymphoid	Mild
Note: ANGIECTASIS	TGLs = 9-3		
Mammary Gland		Galactocele	
[ Galactocele TGLS = 4-13,3-7.1 ]			
Mesentery	Fat	Necrosis	Marked
[ Necrosis TGLS = 5-13 ]			
Pancreas	Acinus	Hyperplasia	Moderate
Note: [ HYPERPLASIA ]	TGLs = 6-9		
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Hemorrhage	Mild
Note: HEMORRHAGE	TGLs = 10-8		
Note: ADENOMA	TGLs = 11-8		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 15	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 636
	<b>DOSE:</b> VEHICLE MALE	<b>DISP:</b> Moribund	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Preputial Gland		Necrosis	Mild
Spleen		Hematopoietic Cell Proliferation	Mild
Stomach	Forestomach	Hyperkeratosis	Mild
	Forestomach	Inflammation	Chronic Active, Mild
	Forestomach	Necrosis	Moderate
Note: INFLAMMATION	TGLs = 8-7.1		
Note: HYPERKERATOSIS	TGLs = 8-7.1		
Note: NECROSIS	TGLs = 8-7.1		
Testes	Interstit Cell	Hyperplasia	Mild
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:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 16

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 738

**DOSE:** VEHICLE MALE

**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	Lung
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

**OBSERVATIONS**

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Note: PHEOCHROM BGN	TGLs = 3-8		
Kidney	Papilla	Mineralization	Minimal
	Renal Tubule	Nephropathy	Moderate
		Pigmentation	Minimal
Liver		Basophilic Focus	
Mammary Gland		Galactocele	
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS	TGLs = 4-13		
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
Note: ADENOMA	TGLs = 5-8		
Preputial Gland		Adenoma	
Note: ADENOMA	TGLs = 1-10.1		
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
Note: ADENOMA	TGLs = 2-6		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05030-01

**Test Type:** CHRONIC

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Probenecid

**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 23:03:12

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

**Lab:** TSI MASON

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**ANIMAL ID:** 17

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 738

**DOSE:** VEHICLE MALE

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Thyroid Gland

C Cell

Adenoma

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05030-01  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Test Compound: Probenecid  
 CAS Number: 57-66-9

Date Report Requested: 10/21/2014  
 Time Report Requested: 23:03:12  
 First Dose M/F: NA / NA  
 Lab: TSI MASON

<b>ANIMAL ID:</b> 18	<b>TRT#:</b> 1 <b>DOSE:</b> VEHICLE MALE	<b>SEX:</b> Male <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 293 <b>HISTO:</b>
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**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	Nose	Pituitary Gland	Preputial Gland
Seminal Vesicle	Skin	Testes	Thymus
Trachea	Urinary Bladder		

**MISSING**

Mammary Gland	Parathyroid Gland
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**OBSERVATIONS**

Blood Vessel	Artery	Necrosis	Fibrinoid, Minimal
Bone Marrow			
Note: MEGAKARYOCYTES INCREASED			
Brain	Artery	Necrosis	Fibrinoid, Mild
Heart		Cardiomyopathy	Minimal
Kidney	Artery	Inflammation	Mild
	Renal Tubule	Pigmentation	Minimal
Liver	Artery	Inflammation	Chronic Active, Mild
Lung	Artery	Necrosis	Fibrinoid, Moderate
Lymph Node	Mediastinal	Angiectasis	Mild
	Renal	Angiectasis	Mild
	Mesenteric	Hemorrhage	Mild
Note: ANGIECTASIS TGLs = 2-2,10-13			
Note: HEMORRHAGE TGLs = 9-9			
Mesentery	Artery	Necrosis	Fibrinoid, Moderate
Note: NECROSIS TGLs = 8-9			
Pancreas	Artery	Necrosis	Fibrinoid, Moderate
Prostate	Artery	Necrosis	Fibrinoid, Mild
Salivary Glands	Artery	Necrosis	Fibrinoid, Mild
Spleen	Capsule	Fibrosis	Mild
		Hematopoietic Cell Proliferation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**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> 293
	<b>DOSE:</b> VEHICLE MALE	<b>DISP:</b> Moribund	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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	Capsule	Inflammation Necrosis	Chronic Active, Mild Mild
Note: NECROSIS	TGLs = 5-3		
Note: FIBROSIS	TGLs = 6-3		
Stomach	Artery, Forestomach	Necrosis	Fibrinoid, Moderate
	Artery, Glandular	Necrosis	Fibrinoid, Moderate
Thyroid Gland	Capsule	Necrosis	Fibrinoid, Mild

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PRIMARY CAUSE OF DEATH

-

Animal Note: A GOOD CASE OF POLYARTERITIS

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Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:12

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 708

DOSE: VEHICLE MALE

DISP: Dead

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	Lymph Node - Mesenteric
Nose	Pancreas	Prostate	Salivary Glands
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Parathyroid Gland

OBSERVATIONS

Epididymis		Inflammation	Chronic Active, Mild
Note: INFLAMMATION TGLs = 6-6.1			
Note: IT IS NOT POSSIBLE TO ASCERTAIN IF THIS IS EPI-			
Note: DIDYMIS OR OMENTAL FAT			
Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Fatty Change	Focal, Minimal
	Bile Duct	Hyperplasia	Mild
		Necrosis	Mild
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: GALACTOCELE TGLs = 4-10			
Note: FIBROADENOMA TGLs = 1-13			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
Note: ADENOMA TGLs = 10-8			
Preputial Gland		Adenoma	
		Necrosis	Moderate
Note: NECROSIS TGLs = 3-14			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 19	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 708
	<b>DOSE:</b> VEHICLE MALE	<b>DISP:</b> Dead	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: ADENOMA	TGLs = 2-14			
Spleen			Hematopoietic Cell Proliferation	Mild
Testes		Bilateral, Interstit Cell	Adenoma	
		Seminif Tub	Atrophy	Marked
Note: ATROPHY	TGLs = 7-6			
Note: ADENOMA	TGLs = 7-6,8-6			

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PRIMARY CAUSE OF DEATH

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Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:12

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 740

DOSE: VEHICLE MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Hemorrhage	Mild
Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Mild
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
Lung		Alveolar/Bronchiolar Adenoma	
		Inflammation	Chronic Active, Mild
Note: ALV BRON ADEN TGLs = 8-1			
Note: CHOLESTEROL CLEFTS			
Lymph Node	Mediastinal	Infiltration Cellular	Histiocyte, Mild
Note: INFILTRAT CELL TGLs = 1-2			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Preputial Gland		Necrosis	Mild
Spleen		Hematopoietic Cell Proliferation	Mild
Note: EXCESSIVE KARYORRHEXIS IN AREAS			
Note: HEMA CELL PROL TGLs = 6-3			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 4-6			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:12

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 738

DOSE: VEHICLE MALE

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 - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Prostate
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Moderate
Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite	Minimal
Note: FOCAL MINERALIZATION OF MUCOSA.			
Kidney	Papilla	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Preputial Gland		Inflammation	Chronic Active, Mild
Salivary Glands	Duct	Metaplasia	Squamous, Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
Note: MODERATE CONGESTION			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
	Interstit Cell	Hyperplasia	Mild

Note: ADENOMA TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 22

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 738

**DOSE:** VEHICLE MALE

**DISP:** Terminal Sacrifice

**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
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Preputial Gland	Prostate	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Trachea
Urinary Bladder			

**MISSING**

Mammary Gland

**OBSERVATIONS**

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Mild
Mesentery	Fat	Necrosis	Marked
Salivary Glands	Duct	Metaplasia	Squamous, Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Minimal
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA	TGLs = 1-6		
Thymus	Epithel Cell	Hyperplasia	Mild
Note: HYPERPLASIA	TGLs = 3-2		
Thyroid Gland	C Cell	Adenoma	

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:12

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 23

TRT#: 1

SEX: Male

DAY ON TEST: 738

DOSE: VEHICLE MALE

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
		Fatty Change	Focal, Minimal
	Bile Duct	Hyperplasia	Mild
Lung	Alveolar Epith	Hyperplasia	Minimal
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
	Interstit Cell	Hyperplasia	Mild
	Tunic	Mesothelioma Malignant	

Note: ATROPHY TGLs = 2-6  
[ Hyperplasia TGLS = 1-6 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:12

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 738

DOSE: VEHICLE MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Intestine Small - Jejunum	Prostate	Seminal Vesicle	
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OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Medulla	Pheochromocytoma Benign	
Kidney		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Regeneration	Focal, Mild
Note: LEUKEMIA MONUC	TGLs = 4-3		
Lung		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Adenoma	
Skin	Subcut Tiss	Fibroma	
Note: FIBROMA	TGLs = 1-13		
Spleen		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: ATROPHY	TGLs = 3-6		
Note: ADENOMA	TGLs = 2-6,3-6		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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**ANIMAL ID:** 24

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 738

**DOSE:** VEHICLE MALE

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 25

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 597

**DOSE:** VEHICLE MALE

**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	Lung	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Prostate	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea

**OBSERVATIONS**

Heart		Cardiomyopathy	Mild
Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Fatty Change	Focal, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Preputial Gland		Adenoma	
		Necrosis	Moderate
Note: NECROSIS	TGLs = 2-10		
Note: ADENOMA	TGLs = 1-10		
Salivary Glands	Duct	Metaplasia	Squamous, Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Urinary Bladder		Calculus Micro Observation Only	

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 26

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 738

**DOSE:** VEHICLE MALE

**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	Lung	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Prostate	Salivary Glands	Seminal Vesicle	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

**OBSERVATIONS**

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	
		Fatty Change	Focal, Mild
	Bile Duct	Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
Preputial Gland		Cyst	
		Inflammation	Chronic Active, Mild
Note: CYST	TGLs = 2-10		
Note: MORE LIKE AN EPIDERMAL INCLUSION CYST			
Skin		Basal Cell Adenoma	
Note: [ BASAL CEL ADEN ]	TGLs = 1-13		
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
Note: ADENOMA	TGLs = 3-6		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 27      **TRT#:** 1      **SEX:** Male      **DAY ON TEST:** 740  
**DOSE:** VEHICLE MALE      **DISP:** Terminal Sacrifice      **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
Lung	Lymph Node - Mesenteric	Mammary Gland	Pancreas
Parathyroid Gland	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

**OBSERVATIONS**

Adrenal Gland Note: PHEOCHROM BGN TGLs = 2-8	Medulla	Pheochromocytoma Benign	
Brain Note: BLOOD IN THE MENINGES	Brain Stem	Hemorrhage	Minimal
Heart		Cardiomyopathy	Mild
Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
		Fatty Change	Focal, Minimal
	Bile Duct	Hyperplasia	Mild
Nose		Inflammation	Chronic Active, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Stomach Note: AN AREA OF HEMORRHAGE IN THE MUSCULARIS			
Testes Note: ADENOMA TGLs = 1-6	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Mild
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:12

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: VEHICLE MALE

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Esophagus	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea

MISSING

Epididymis	Islets, Pancreatic	Mammary Gland	Testes
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AUTO PRECLUDES DIAG.

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

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Bilateral, Medulla	Pheochromocytoma Benign	
Note: PHEOCHROM BGN TGLs = 8-8			
Blood		Leukemia Mononuclear	
Brain		Leukemia Mononuclear	
Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-2			
Kidney	Papilla	Leukemia Mononuclear	
		Mineralization	Minimal
		Nephropathy	Mild
Liver		Fatty Change	Focal, Minimal
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 10-3.1			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 7-8			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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**ANIMAL ID:** 28

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 737

**DOSE:** VEHICLE MALE

**DISP:** Dead

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: LEUKEMIA MONUC TGLs = 2-2

Note: LEUKEMIA MONUC TGLs = 1-9

Spleen

Leukemia Mononuclear

Necrosis

Mild

[ Leukemia Mononuclear TGLS = 5-3.1 ]

[ Necrosis TGLS = 6-3.1 ]

Thymus

Leukemia Mononuclear

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**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:12

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: VEHICLE MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Kidney		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
		Fatty Change	Focal, Minimal
	Bile Duct	Hyperplasia	Mild
Lymph Node	Mediastinal	Infiltration Cellular	Histiocyte, Mild
	Renal	Infiltration Cellular	Histiocyte, Mild
Note: INFILTRAT CELL	TGLs = 4-2		
Note: INFILTRAT CELL	TGLs = 16-3		
Prostate		Inflammation	Chronic Active, Mild
Note: INFLAMMATION	TGLs = 10-6.1		
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
Note: ADENOMA	TGLs = 6-6,7-6.1		
Thyroid Gland	C Cell	Hyperplasia	Minimal
Urinary Bladder		Calculus Gross Observation	
		Calculus Micro Observation Only	
Note: CALCUS MIC OBS	TGLs = 8-9		

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05030-01

**Test Type:** CHRONIC

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Probenecid

**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 23:03:12

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

**Lab:** TSI MASON

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**ANIMAL ID:** 29

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 737

**DOSE:** VEHICLE MALE

**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: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:12

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 737

DOSE: VEHICLE MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
Heart		Cardiomyopathy	Mild
Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Moderate
	Renal Tubule	Pigmentation	Minimal
Liver	Bile Duct	Hyperplasia	Mild
		Mixed Cell Focus	
Lymph Node	Mediastinal	Infiltration Cellular	Histiocyte, Moderate
Note: INFILTRAT CELL TGLs = 3-2			
Mammary Gland		Galactocele	
Note: GALACTOCELE TGLs = 1-10			
Mesentery	Fat	Necrosis	Marked
Note: NECROSIS TGLs = 6-13			
Pancreas	Acinus	Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
Note: ADENOMA TGLs = 8-8			
Spleen		Hematopoietic Cell Proliferation	Mild
Stomach			
Note: LYMPHOCYTIC CLUSTER			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01

**Test Type:** CHRONIC

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Probenecid

**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 23:03:12

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

**Lab:** TSI MASON

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**ANIMAL ID:** 30

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 737

**DOSE:** VEHICLE MALE

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Interstit Cell

Hyperplasia

Mild

Note: ATROPHY      TGLs = 4-6

Note: ADENOMA      TGLs = 5-6

Thyroid Gland

C Cell

Adenoma

Note: ADENOMA      TGLs = 2-8

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 31                      **TRT#:** 1                      **SEX:** Male                      **DAY ON TEST:** 737  
**DOSE:** VEHICLE MALE                      **DISP:** Terminal Sacrifice                      **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
Nose	Parathyroid Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

**MISSING**

Mammary Gland	Thymus
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**OBSERVATIONS**

Adrenal Gland	Medulla	Hyperplasia	Mild
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Blood		Leukemia Mononuclear	
Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
	Papilla	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Moderate
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 7-3		
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mesentery		Mesothelioma Benign	
Note: MESOTHELIO BGN	TGLs = 3-14		
Pancreas		Mesothelioma Benign	
Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Skin		Cyst Epithelial Inclusion	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**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> 737
	<b>DOSE:</b> VEHICLE MALE	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: HYPERKERATOSIS TGLs = 1-13		Hyperkeratosis	Marked
Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
[ Hematopoietic Cell Proliferation TGLS = 6-3 ]			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
	Tunic	Mesothelioma Benign	
Note: MESOTHELIO BGN TGLs = 5-6			

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PRIMARY CAUSE OF DEATH

-

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**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 32

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 653

**DOSE:** VEHICLE MALE

**DISP:** Dead

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Mammary Gland

**OBSERVATIONS**

Epididymis		Mesothelioma Malignant	
Intestine Large	Colon	Parasite	Minimal
Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Fatty Change	Focal, Mild
Lung		Congestion	Mild
		Edema	Minimal
		Infiltration Cellular	Histiocyte, Mild
[ Edema TGLS = 1-1+2 ]			
Mesentery		Mesothelioma Malignant	
Note: [ MESOTHELIO MAL ] TGLs = 3-13			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
	Interstit Cell	Hyperplasia	Mild
	Tunic	Mesothelioma Malignant	

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 33

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 727

**DOSE:** VEHICLE MALE

**DISP:** Moribund

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Bone Marrow			
Note: MEGAKARYOCYTES INCREASED			
Epididymis		Mesothelioma Malignant	
Note: [ MESOTHELIO MAL ] TGLs = 5-6.1			
Heart		Thrombosis	
Note: THROMBUS TGLs = 11-2			
Kidney	Renal Tubule	Hyperplasia	Minimal
	Papilla	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Moderate
Liver		Basophilic Focus	
		Fatty Change	Focal, Minimal
Lymph Node	Mediastinal	Infiltration Cellular	Histiocyte, Mild
Note: INFILTRAT CELL TGLs = 3-2			
Mesentery		Mesothelioma Malignant	
Note: [ MESOTHELIO MAL ] TGLs = 8-14			
Pancreas		Mesothelioma Malignant	
Salivary Glands	Duct	Metaplasia	Squamous, Minimal
Skeletal Muscle		Mesothelioma Malignant	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 33	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 727
	<b>DOSE:</b> VEHICLE MALE	<b>DISP:</b> Moribund	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Spleen		Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 9-3 ]			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
	Interstit Cell	Hyperplasia	Minimal
	Tunic	Mesothelioma Malignant	
Note: ADENOMA	TGLs = 6-6+6.1		
Urinary Bladder		Mesothelioma Malignant	

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:12

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 738

DOSE: VEHICLE MALE

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	Lung	Lymph Node - Mesenteric
Nose	Parathyroid Gland	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
		Fatty Change	Focal, Minimal
	Bile Duct	Hyperplasia	Mild
		Fibroadenoma	
Mammary Gland			
Note: FIBROADENOMA	TGLs = 1-13		
Pancreas	Acinus	Hyperplasia	Mild
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 2-6,3-6		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:12

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 35

TRT#: 1

SEX: Male

DAY ON TEST: 738

DOSE: VEHICLE MALE

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	Lung	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Preputial Gland
Salivary Glands	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	Papilla	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
		Fatty Change	Focal, Minimal
	Bile Duct	Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Prostate	Epithelium	Hyperplasia	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
	Interstit Cell	Hyperplasia	Minimal

Note: ADENOMA TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:12

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 738

DOSE: VEHICLE MALE

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	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Preputial Gland
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland Note: PHEOCHROM BGN TGLs = 2-8	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Hyperplasia	Mild
Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Liver Note: ANOM HEPAT LOB TGLs = 3-3.1	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Mild
Prostate	Epithelium	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
Salivary Glands	Duct	Metaplasia	Squamous, Minimal
Spleen		Depletion Lymphoid	Mild
		Hematopoietic Cell Proliferation	Mild
Testes Note: ADENOMA TGLs = 1-6	Bilateral, Interstit Cell Seminif Tub	Adenoma	
		Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 37

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 551

**DOSE:** VEHICLE MALE

**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	Lung	Lymph Node - Mesenteric
Nose	Pancreas	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	

**MISSING**

Mammary Gland	Parathyroid Gland
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**OBSERVATIONS**

Heart		Cardiomyopathy	Mild
Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
		Fatty Change	Diffuse, Mild
		Adenoma	
Preputial Gland			
Note: ADENOMA	TGLs = 1-13		
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC	TGLs = 2-14		
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
	Interstit Cell	Hyperplasia	Minimal
Note: ADENOMA	TGLs = 5-6		
Urinary Bladder		Calculus Gross Observation	
		Calculus Micro Observation Only	
Note: CALCUS MIC OBS	TGLs = 6-9		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:12

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 738

DOSE: VEHICLE MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney	Papilla	Mineralization	Minimal
	Renal Tubule	Nephropathy	Mild
Liver		Pigmentation	Minimal
	Bile Duct	Basophilic Focus	
Lung		Hyperplasia	Mild
Pancreas		Infiltration Cellular	Histiocyte, Mild
Note: A PIECE OF TISSUE ADJACENT TO PANCREAS			
Note: MAY EITHER BE HYPERPLASTIC DUCTS OR MESOTHELIOMA			
Preputial Gland		Necrosis	Mild
Salivary Glands	Duct	Metaplasia	Squamous, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
Note: ADENOMA TGLs = 1-6,2-6			
Thymus	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:12

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 738

DOSE: VEHICLE MALE

DISP: Terminal Sacrifice

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	Lymph Node - Mesenteric	Mammary Gland
Nose	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Hyperplasia	Mild
Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Fatty Change	Focal, Mild
Lung	Alveolar Epith	Hyperplasia	Mild
Note: HYPERPLASIA TGLs = 4-1			
Pancreas	Acinus	Hyperplasia	Mild
Preputial Gland		Necrosis	Mild
Skin		Keratoacanthoma	
Note: [ KERATOACANTHMA ] TGLs = 1-13,2-13			
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA TGLs = 3-6			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:12

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 740

DOSE: VEHICLE MALE

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 - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mesenteric
Nose	Pancreas	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland Note: PHEOCHROM BGN TGLs = 3-8	Medulla	Pheochromocytoma Benign	
Kidney	Renal Tubule	Nephropathy	Mild
Liver	Bile Duct	Pigmentation	Minimal
Parathyroid Gland		Fatty Change	Focal, Mild
Spleen		Hyperplasia	Mild
Testes Note: ADENOMA TGLs = 2-6	Bilateral, Interstit Cell	Hyperplasia	Mild
Thyroid Gland	Seminif Tub	Hematopoietic Cell Proliferation	Mild
	C Cell	Adenoma	
	C Cell	Atrophy	Mild
		Adenoma	
		Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 41

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 740

**DOSE:** VEHICLE MALE

**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	Lung	Mammary Gland	Nose
Parathyroid Gland	Prostate	Salivary Glands	Seminal Vesicle
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

**OBSERVATIONS**

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Brain			
Note: BLOOD AROUND THE MENINGES			
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Moderate
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
		Fatty Change	Focal, Mild
	Bile Duct	Hyperplasia	Mild
Lymph Node	Mesenteric	Angiectasis	Mild
Pancreas	Acinus	Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Preputial Gland		Necrosis	Mild
Skin		Necrosis	Moderate
Note: CLUSTERS OF NEUTROPHILS AND EROSION IN			
Note: NECROSIS TGLs = 1-13			
Note: THE AFFECTED PART			
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA TGLs = 3-6,4-6			

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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**ANIMAL ID:** 41

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 740

**DOSE:** VEHICLE MALE

**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: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:12

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 738

DOSE: VEHICLE MALE

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	Lung	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
	Medulla	Pheochromocytoma Benign	
Brain			
Note: A SECTION OF THE PINEAL GLAND ADJACENT TO THE CEREBELLUM			
Ear		Fibrosarcoma	
Note: FIBROSARC TGLs = 1-13			
Heart		Cardiomyopathy	Mild
Intest Large			
Note: FOCAL MINERALIZATION-MUSCULARIS.			
Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
Testes	Interstitial Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
Note: ATROPHY TGLs = 3-6			
Note: ADENOMA TGLs = 2-6			
Thymus	Epithel Cell	Thymoma Benign	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01

**Test Type:** CHRONIC

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Probenecid

**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 23:03:12

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

**Lab:** TSI MASON

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**ANIMAL ID:** 42

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 738

**DOSE:** VEHICLE MALE

**DISP:** Terminal Sacrifice

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Thyroid Gland

C Cell

Adenoma

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:12

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 738

DOSE: VEHICLE MALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Mammary Gland
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OBSERVATIONS

Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Adenoma	
		Hyperplasia	Mild
Kidney		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
		Fatty Change	Focal, Mild
	Bile Duct	Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild

Note: ADENOMA TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:12

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 658

DOSE: VEHICLE MALE

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Islets, Pancreatic	Liver
Lung	Lymph Node - Mesenteric	Pancreas	Preputial Gland
Prostate	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Testes	Thymus	Trachea

MISSING

Esophagus	Mammary Gland	Nose	Parathyroid Gland
Salivary Glands	Thyroid Gland		

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Lymph Node			
Note: CLUSTERS OF PIGMENT-LADEN HISTIOCYTES			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:12

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 738

DOSE: VEHICLE MALE

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	Lung	Lymph Node - Mesenteric	Pancreas
Parathyroid Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

MISSING

Intestine Large - Rectum	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Mild
Nose		Basosquamous Tumor Benign	
		[ Basosquamous Tumor Benign TGLS = 1-12.1 ]	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 4-8		
Preputial Gland		Adenoma	
		[ Adenoma TGLS = 2-10.1 ]	
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
Note: ADENOMA	TGLs = 3-6		
Thyroid Gland	C Cell	Adenoma	
	C Cell	Carcinoma	
Note: ADENOMA	TGLs = 5-8		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01

**Test Type:** CHRONIC

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Probenecid

**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 23:03:12

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

**Lab:** TSI MASON

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**ANIMAL ID:** 45

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 738

**DOSE:** VEHICLE MALE

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 46

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 738

**DOSE:** VEHICLE MALE

**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	Lung	Lymph Node - Mesenteric
Mammary Gland	Nose	Parathyroid Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

**OBSERVATIONS**

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
		Fatty Change	Focal, Mild
	Bile Duct	Hyperplasia	Mild
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Hyperplasia	Moderate
Preputial Gland		Adenoma	
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
	Interstit Cell	Hyperplasia	Minimal

Note: ADENOMA TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:12

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: VEHICLE MALE

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
Nose	Parathyroid Gland	Prostate	Seminal Vesicle
Stomach - Forestomach	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Medulla	Pheochromocytoma Benign	
Note: LEUKEMIA MONUC TGLs = 12-5			
Bone Marrow		Leukemia Mononuclear	
Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
		Fatty Change	Focal, Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[ Fatty Change TGLS = 13-3 ]			
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-1+2			
Lymph Node	Axillary	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:12

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: VEHICLE MALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 10-13

Note: LEUKEMIA MONUC TGLs = 8-8.1

Note: LEUKEMIA MONUC TGLs = 7-9

Note: LEUKEMIA MONUC TGLs = 3-15

Note: LEUKEMIA MONUC TGLs = 4-1

Note: LEUKEMIA MONUC TGLs = 9-14

Note: MORE LIKE LYMPHOCYTIC THAN MONONUCLEAR CELL LEUKEMIA

Note: LEUKEMIA MONUC TGLs = 2-8.1

Pancreas Acinus Hyperplasia Mild

Pituitary Gland Leukemia Mononuclear

Preputial Gland Leukemia Mononuclear

Salivary Glands Leukemia Mononuclear

Skin Hyperkeratosis Moderate

Leukemia Mononuclear

Trichoepithelioma

Note: TRICHOEPITHEL TGLs = 1-16

Spleen Leukemia Mononuclear

[ Leukemia Mononuclear TGLS = 11-3 ]

Stomach Glandular Leukemia Mononuclear

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

Testes Bilateral, Interstit Cell Adenoma

Seminif Tub Atrophy Mild

Note: ADENOMA TGLs = 6-6

Thymus Atrophy Moderate

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:12

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 738

DOSE: VEHICLE MALE

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

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
		Fatty Change	Focal, Mild
	Bile Duct	Hyperplasia	Mild
Lung		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic Active, Mild
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
Note: ADENOMA TGLs = 2-6			
Prostate		Inflammation	Chronic Active, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
Note: ADENOMA TGLs = 1-6			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:12

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: VEHICLE MALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Eye	Lens	Cataract	Moderate
	Retina	Hemorrhage	Moderate
	[ Hemorrhage TGLS = 9-13 ]		
Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
	Papilla	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
		Fatty Change	Focal, Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[ Hyperplasia TGLS = 8-3 ]		
Lung		Alveolar/Bronchiolar Adenoma	
		Leukemia Mononuclear	
	Note: ALV BRON ADEN TGLs = 3-1		
	Note: LEUKEMIA MONUC TGLs = 4-1+2		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**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> 730
	<b>DOSE:</b> VEHICLE MALE	<b>DISP:</b> Moribund	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Spleen Note: LEUKEMIA MONUC TGLs = 6-3		Leukemia Mononuclear	
Stomach Note: HYPERKERATOSIS TGLs = 10-7	Forestomach Forestomach	Acanthosis Hyperkeratosis	Mild Moderate
Testes Note: ADENOMA TGLs = 2-6	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:12

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 671

DOSE: VEHICLE MALE

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 - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Fatty Change	Diffuse, Mild
		Hepatodiaphragmatic Nodule	
Note: ANOM HEPAT LOB TGLs = 10-3			
Lung		Alveolar/Bronchiolar Adenoma	
[ Alveolar/Bronchiolar Adenoma TGLS = 16-1 ]			
Lymph Node	Renal	Infiltration Cellular	Histiocyte, Mild
Note: INFILTRAT CELL TGLs = 13-14			
Skin	Subcut Tiss	Fibroma	
Note: FIBROMA TGLs = 2-15			
Spleen		Hematopoietic Cell Proliferation	Mild
Note: HEMA CELL PROL TGLs = 8-3			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
Note: ADENOMA TGLs = 6-6,7-6			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

<b>ANIMAL ID:</b> 51	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 667
	<b>DOSE:</b> .1 G/KG LM	<b>DISP:</b> Moribund	<b>HISTO:</b>

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Harderian Gland	Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic
Pancreas	Salivary Glands	Seminal Vesicle	

**OBSERVATIONS**

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Eye		Synechia	Mild
Note: SYNECHIA	TGLs = 2-6,3-6		
Kidney		Leukemia Mononuclear	
	Papilla	Mineralization	Minimal
		Nephropathy	Moderate
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 13-2		
Lymph Node	Mediastinal	Pigmentation	Mild
	Mesenteric	Pigmentation	Mild
	Pancreatic	Pigmentation	Mild
	Renal	Pigmentation	Mild
Note: PIGMENT	TGLs = 6-3,9-4,10-4,11-2,12-2		
Spleen		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 4-3 ]		
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 7-5,8-5		

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 52

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 735

**DOSE:** .1 G/KG LM

**DISP:** Terminal Sacrifice

**HISTO:**

**OBSERVATIONS**

Adrenal Gland

Cortex

Hyperplasia

Mild

Medulla

Hyperplasia

Minimal

Kidney

Cortex

Mineralization

Minimal

Nephropathy

Mild

Liver

Renal Tubule

Pigmentation

Minimal

Basophilic Focus

Fatty Change

Focal, Mild

Bile Duct

Hyperplasia

Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 53

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 735

**DOSE:** .1 G/KG LM

**DISP:** Terminal Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex

**OBSERVATIONS**

Adrenal Gland	Medulla	Hyperplasia	Minimal
	Medulla	Pheochromocytoma Benign	
Ear		Fibrosarcoma	
Note: FIBROSARC	TGLs = 1-2		
Kidney	Cortex	Mineralization	Mild
	Papilla	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Focal, Mild
	Bile Duct	Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Note: [ HYPERPLASIA ]	TGLs = 4-3		
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
	Interstit Cell	Hyperplasia	Mild
[ Atrophy TGLS = 2-2 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 54

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 664

**DOSE:** .1 G/KG LM

**DISP:** Dead

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Thymus

Adrenal Gland - Medulla  
Trachea

Epididymis

Preputial Gland

**OBSERVATIONS**

Kidney  
 Liver  
  
 Lung  
  
 Note: CONGESTION    TGLs = 4-3  
 Lymph Node  
 Note: ANGIECTASIS    TGLs = 7-2  
 Pituitary Gland  
 Note: HYPERPLASIA    TGLs = 5-2  
 Skin  
 Note: [ SARCOMA    ] TGLs = 1-5  
 Testes  
  
 [ Atrophy TGLS = 3-4 ]

Papilla  
  
 Bile Duct  
  
  
 Mesenteric  
  
 Pars Distalis  
  
 Subcut Tiss  
  
 Bilateral, Interstit Cell  
 Seminif Tub

Mineralization  
 Basophilic Focus  
  
 Hyperplasia  
 Congestion  
 Edema  
  
 Angiectasis  
  
 Hyperplasia  
  
 Sarcoma  
  
 Adenoma  
 Atrophy

Minimal  
  
 Mild  
 Mild  
 Minimal  
  
 Moderate  
  
 Mild  
  
  
  
 Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 55	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 723
	<b>DOSE:</b> .1 G/KG LM	<b>DISP:</b> Moribund	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Gland - Cortex

Preputial Gland

Seminal Vesicle

Thymus

**OBSERVATIONS**

Adrenal Gland

Bilateral, Medulla

Pheochromocytoma Benign

Intestine Large

Rectum

Parasite

Minimal

Kidney

Nephropathy

Mild

Renal Tubule

Pigmentation

Mild

Lymph Node

Mediastinal

Pigmentation

Mild

Mesenteric

Pigmentation

Mild

Pancreatic

Pigmentation

Mild

Note: PIGMENT TGLs = 5-3,8-2,9-2

Pharynx

Hyperplasia

Pseudoepithel, Moderate

Skin

Subcut Tiss

Fibroma

Note: FIBROMA TGLs = 2-4

Testes

Bilateral, Interstit Cell

Adenoma

Interstit Cell

Hyperplasia

Mild

Note: ADENOMA TGLs = 6-3

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:12

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 56

TRT#: 3

SEX: Male

DAY ON TEST: 735

DOSE: .1 G/KG LM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Trachea

OBSERVATIONS

Adrenal Gland

Medulla

Hyperplasia

Minimal

Medulla

Pheochromocytoma Benign

Note: PHEOCHROM BGN TGLs = 3-1

Kidney

Papilla

Mineralization

Minimal

Pelvis

Mineralization

Minimal

Renal Tubule

Nephropathy

Mild

Pigmentation

Mild

Congestion

Mild

Lung

Note: CONGESTION TGLs = 2-2

Pituitary Gland

Pars Distalis

Adenoma

Pars Distalis

Angiectasis

Mild

Pars Distalis

Pigmentation

Mild

[ Angiectasis TGLS = 4-2 ]

Preputial Gland

Carcinoma

[ Carcinoma TGLS = 1-3 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 57

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 292

**DOSE:** .1 G/KG LM

**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 - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mesenteric	Nose	Parathyroid Gland
Pituitary Gland	Preputial Gland	Salivary Glands	Skin
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea			

**MISSING**

Mammary Gland

**AUTO PRECLUDES DIAG.**

Intestine Large - Cecum

**OBSERVATIONS**

Heart		Cardiomyopathy	Mild
Kidney		Hydronephrosis	Mild
	Cortex	Mineralization	Mild
Note: HYDRONEPHROSIS TGLs = 2-4			
Liver		Hepatodiaphragmatic Nodule	
Note: ANOM HEPAT LOB TGLs = 4-3			
Lung		Edema	Mild
Pancreas	Acinus	Atrophy	Mild
Prostate		Inflammation	Chronic Active, Mild
Seminal Vesicle		Concretion	Mild
Note: CONCRETION TGLs = 1-6			
Spleen		Depletion Lymphoid	Mild
Stomach	Forestomach	Hyperkeratosis	Mild
Note: HYPERKERATOSIS TGLs = 5-8			
Urinary Bladder		Hemorrhage	Moderate
		Necrosis	Moderate
Note: HEMORRHAGE TGLs = 3-9			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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**ANIMAL ID:** 57

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 292

**DOSE:** .1 G/KG LM

**DISP:** Dead

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 58	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 735
	<b>DOSE:</b> .1 G/KG LM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla
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**OBSERVATIONS**

Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	
		Fatty Change	Focal, Mild
	Bile Duct	Hyperplasia	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
	Interstit Cell	Hyperplasia	Mild

Note: ADENOMA TGLs = 2-3

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PRIMARY CAUSE OF DEATH

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Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:12

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 59

TRT#: 3

SEX: Male

DAY ON TEST: 735

DOSE: .1 G/KG LM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Trachea

Islets, Pancreatic

Pancreas

Parathyroid Gland

OBSERVATIONS

Adrenal Gland  
Kidney

Medulla  
Papilla

Hyperplasia  
Mineralization  
Nephropathy  
Pigmentation

Mild  
Minimal  
Mild  
Mild

[ Nephropathy TGLS = 5-1 ]

Liver

Bile Duct  
Pancreatic  
Pancreatic

Basophilic Focus  
Hyperplasia  
Infiltration Cellular  
Pigmentation

Mild  
Histiocyte, Mild  
Mild

Note: INFILTRAT CELL TGLs = 8-2

Pituitary Gland

Pars Distalis  
Pars Distalis

Adenoma  
Angiectasis

Mild

Note: ADENOMA TGLs = 7-2

Salivary Glands  
Testes

Duct  
Bilateral, Interstit Cell  
Seminif Tub  
Interstit Cell

Metaplasia  
Adenoma  
Atrophy  
Hyperplasia

Squamous, Minimal  
Mild  
Minimal

Note: ADENOMA TGLs = 4-3

Thyroid Gland

C Cell

Adenoma

Note: ADENOMA TGLs = 3-1

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:12

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 60

TRT#: 3

SEX: Male

DAY ON TEST: 735

DOSE: .1 G/KG LM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Islets, Pancreatic  
Trachea

Adrenal Gland - Medulla  
Pancreas

Eye  
Salivary Glands

Harderian Gland  
Thymus

OBSERVATIONS

Kidney

Pelvis

Mineralization  
Nephropathy  
Pigmentation

Minimal  
Mild  
Mild

Note: NEPHROPATHY TGLs = 9-1

Liver

Note: ACINAR, PAPILLARY, TRABECULAR, AND SOLID ARRANGEMENT

Note: HEPATOCLR CARC TGLs = 10-6+6.1+7+7.1

Hepatocellular Carcinoma

Lung

Note: HEPATOCLR CARC TGLs = 6-2

Alveolar Epith

Hepatocellular Carcinoma  
Hyperplasia

Metastatic (Liver)  
Mild

Lymph Node

Mediastinal, Mesenteric

Mediastinal  
Mesenteric  
Mediastinal  
Mesenteric

Hepatocellular Carcinoma  
Infiltration Cellular  
Infiltration Cellular  
Pigmentation  
Pigmentation

Metastatic (Liver)  
Histiocyte, Mild  
Histiocyte, Mild  
Mild  
Mild

Note: HEPATOCLR CARC TGLs = 13-4

Mesentery

Note: HEPATOCLR CARC TGLs = 8-3

Hepatocellular Carcinoma

Metastatic (Liver)

Pituitary Gland

Pars Distalis  
Pars Distalis  
Pars Distalis

Adenoma  
Angiectasis  
Hyperplasia

Mild  
Mild

Note: ADENOMA TGLs = 11-3

Preputial Gland

Note: INFLAMMATION TGLs = 3-4,4-4

Inflammation

Chronic Active, Mild

Urinary Bladder

Calculus Gross Observation  
Calculus Micro Observation Only

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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**ANIMAL ID:** 60

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 735

**DOSE:** .1 G/KG LM

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Calculus Gross Observation TGLS = 12-3 ]

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 61	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 735
	<b>DOSE:</b> .1 G/KG LM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Epididymis	Esophagus	Parathyroid Gland
Trachea			

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**OBSERVATIONS**

Adrenal Gland	Medulla	Hyperplasia	Mild
Kidney		Nephropathy	Mild
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	
		Fatty Change	Focal, Mild
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
Note: ANOM HEPAT LOB TGLs = 4-2			
Lymph Node	Mesenteric	Pigmentation	Mild
Note: PIGMENT TGLs = 5-2			
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
[ Atrophy TGLS = 2-3 ]			
Thyroid Gland	C Cell	Adenoma	
Note: ADENOMA TGLs = 1-2			

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PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

<b>ANIMAL ID:</b> 62	<b>TRT#:</b> 3 <b>DOSE:</b> .1 G/KG LM	<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	Islets, Pancreatic	Pancreas	Seminal Vesicle
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**OBSERVATIONS**

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Kidney	Papilla	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
Liver	Renal Tubule	Nephropathy	Mild
		Pigmentation	Mild
		Basophilic Focus	
	Bile Duct	Clear Cell Focus	
		Fatty Change	Focal, Mild
		Hepatodiaphragmatic Nodule	
Lymph Node	Lumbar	Hyperplasia	Mild
		Mixed Cell Focus	Mild
	Renal	Angiectasis	Mild
		Angiectasis	Mild
Preputial Gland		Adenoma	
Salivary Glands		Hyperplasia	Mild
Skin		Basal Cell Adenoma	
		Trichoepithelioma	
Testes	Bilateral, Interstit Tiss	Adenoma	

[ Basophilic Focus TGLS = 13-2 ]  
 [ Fatty Change TGLS = 9-2 ]  
 Note: ANGIECTASIS TGLs = 11-3,12-3  
 Note: ADENOMA TGLs = 5-4  
 [ Hyperplasia TGLS = 4-6 ]  
 Note: PAPILLOMA SQUA TGLs = 2-6  
 Note: BASAL CEL ADEN TGLs = 1-6  
 Note: OF TRICHOEPITHELIOMA  
 Note: BOTH THESE LESIONS ARE PROBABLE VARIANTS  
 Note: ADENOMA TGLs = 6-5

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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**ANIMAL ID:** 62

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 736

**DOSE:** .1 G/KG LM

**DISP:** Terminal Sacrifice

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 63	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 735
	<b>DOSE:</b> .1 G/KG LM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Gland - Cortex	Epididymis
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**OBSERVATIONS**

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Kidney		Nephropathy	Mild
	Renal Tubule	Pigmentation	Mild
Liver		Fatty Change	Focal, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild

Note: ADENOMA TGLs = 2-2

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PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 64

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 631

**DOSE:** .1 G/KG LM

**DISP:** Moribund

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Harderian Gland	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Prostate	Seminal Vesicle	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea

**MISSING**

Mammary Gland

**OBSERVATIONS**

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Eye	Lens	Cataract	Mild
Note: CATARACT TGLs = 2-13			
Heart		Cardiomyopathy	Mild
Intestine Small	Ileum, Lymphoid Tiss	Hyperplasia	Mild
Note: HYPERPLASIA TGLs = 11-7			
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
Note: BRICK RED AND YELLOW PIGMENT			
Liver		Fibrous Histiocytoma	Metastatic (Skin)
		Leukemia Mononuclear	
Note: FIB HISTIOCYT TGLs = 12-3			
Lung		Fibrous Histiocytoma	Metastatic (Skin)
Note: EMBOLI OF TUMOR CELLS IN BLOOD VESSELS			
Lymph Node	Mediastinal	Fibrous Histiocytoma	Metastatic (Skin)
Note: FIB HISTIOCYT TGLs = 6-2			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
[ Adenoma TGLS = 14-8 ]			
[ Cyst TGLS = 15-8 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 64	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 631
	<b>DOSE:</b> .1 G/KG LM	<b>DISP:</b> Moribund	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Salivary Glands	Duct	Metaplasia	Squamous, Minimal
Skeletal Muscle		Fibrous Histiocytoma	Metastatic (Skin)
Note: FIB HISTIOCYT TGLs = 5-13,13-13			
Skin		Fibrous Histiocytoma	
Note: THIS NEOPLASM IS CALLED FIBROUS HISTIOCYTOMA RATHER			
Note: FIB HISTIOCYT TGLs = 3-10+10.1,4-10+10.1			
Note: THAN SARCOMA OR LYMPHOMA BECAUSE OF PLUMP POLY-			
Note: HEDRAL CELLS AND ABUNDANT CYTOPLASM.			
Spleen		Hematopoietic Cell Proliferation	Mild
Note: LEUKEMIA MONUC TGLs = 9-3			
Leukemia Mononuclear			
Testes	Interstitial Cell	Hyperplasia	Minimal
Urinary Bladder		Fibrous Histiocytoma	Metastatic (Skin)

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:12

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 65

TRT#: 3

SEX: Male

DAY ON TEST: 736

DOSE: .1 G/KG LM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla

Epididymis

OBSERVATIONS

Adrenal Gland

Cortex

Hyperplasia

Mild

Kidney

Cortex

Mineralization

Minimal

Papilla

Mineralization

Minimal

Nephropathy

Moderate

Renal Tubule

Pigmentation

Mild

Lymph Node

Mandibular

Angiectasis

Mild

Renal

Pigmentation

Mild

Note: PIGMENT TGLs = 5-1

Pancreas

Artery

Necrosis

Fibrinoid, Moderate

Note: NECROSIS TGLs = 4-2

Salivary Glands

Duct

Inflammation

Acute, Minimal

Duct

Metaplasia

Squamous, Minimal

Note: METAPL TGLs = 1-2

Testes

Bilateral, Interstit Cell

Adenoma

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

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

<b>ANIMAL ID:</b> 66	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 736
	<b>DOSE:</b> .1 G/KG LM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Epididymis	Pancreas	Seminal Vesicle
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**OBSERVATIONS**

Adrenal Gland Islets, Pancreatic Note: [ CARCINOMA ] TGLs = 5-2 Note: INFILTRATION IN THE CAPSULE	Medulla	Hyperplasia Carcinoma	Mild
Kidney	Pelvis	Cyst Mineralization Nephropathy	Minimal Mild
Liver	Renal Tubule	Pigmentation Basophilic Focus Cyst	Mild
Note: CYST TGLs = 7-3	Bile Duct	Hyperplasia	Mild
Lymph Node Note: PIGMENT TGLs = 6-3 Note: PIGMENT TGLs = 4-2	Mesenteric Pancreatic	Pigmentation Pigmentation	Minimal Minimal
Mammary Gland Note: [ FIBROADENOMA ] TGLs = 1-2		Fibroadenoma Galactocele	
Pituitary Gland Note: ADENOMA TGLs = 8-2	Pars Distalis Pars Distalis	Adenoma Angiectasis	Moderate
Testes [ Atrophy TGLS = 2-4 ]	Interstit Cell Seminif Tub Interstit Cell	Adenoma Atrophy Hyperplasia	Mild Mild

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:12

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 67

TRT#: 3

SEX: Male

DAY ON TEST: 736

DOSE: .1 G/KG LM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Seminal Vesicle

OBSERVATIONS

Adrenal Gland

Medulla

Hyperplasia

Mild

Kidney

Cortex

Mineralization

Minimal

Papilla

Mineralization

Minimal

Nephropathy

Moderate

Pigmentation

Mild

Renal Tubule

Basophilic Focus

Clear Cell Focus

Liver

Note: POSSIBLE TRANSFORMATION IN THE SECTION CIRCLED

Pituitary Gland

Pars Distalis

Adenoma

Pars Distalis

Angiectasis

Mild

Pars Intermed

Angiectasis

Mild

Note: ADENOMA TGLs = 5-2

Salivary Glands

Fibrosis

Mild

Duct

Metaplasia

Squamous, Mild

Note: METAPL TGLs = 3-3

Skin

Subcut Tiss

Fibroma

Note: FIBROMA TGLs = 1-2

Note: FIBROMA MAY BE AN OVERDIAGNOSIS

Testes

Bilateral, Interstit Cell

Adenoma

Seminif Tub

Atrophy

Mild

Interstit Cell

Hyperplasia

Minimal

Note: ADENOMA TGLs = 4-4

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 68                      **TRT#:** 3                      **SEX:** Male                      **DAY ON TEST:** 730  
**DOSE:** .1 G/KG LM                      **DISP:** Moribund                      **HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Pancreas	Seminal Vesicle	Trachea	
<b>OBSERVATIONS</b>			
Adrenal Gland	Cortex	Hemorrhage	Moderate
	Medulla	Pheochromocytoma Benign	
Note: HEMORRHAGE      TGLs = 6-3			
Islets, Pancreatic		Adenoma	
Note: ADENOMA      TGLs = 9-2			
Kidney	Cortex	Mineralization	Minimal
	Papilla	Mineralization	Minimal
		Nephropathy	Moderate
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
		Congestion	Moderate
		Degeneration	Minimal
		Fatty Change	Focal, Minimal
Note: CONGESTION      TGLs = 5-3			
Lung		Congestion	Minimal
Note: CONGESTION      TGLs = 2-2			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA      TGLs = 7-2			
Note: THIS COULD AS WELL BE A CARCINOMA			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
Note: ADENOMA      TGLs = 3-4			

**PRIMARY CAUSE OF DEATH** -  
Animal Note: MOST OF THE ORGANS CONGESTED

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:12

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 69

TRT#: 3

SEX: Male

DAY ON TEST: 616

DOSE: .1 G/KG LM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Bone Marrow			
Note: MEGAKARYOCYTES INCREASED			
Epididymis		Mesothelioma Malignant	
Note: [ MESOTHELIO MAL ] TGLs = 10-6			
Heart		Cardiomyopathy	Mild
Note: CARDIOMYOPATHY TGLs = 8-2			
Kidney	Renal Tubule	Degeneration	Minimal
	Papilla	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Note: NEPHROPATHY TGLs = 18-4			
Liver		Basophilic Focus	
		Fatty Change	Diffuse, Mild
Lymph Node	Mediastinal	Infiltration Cellular	Histiocyte, Mild
Note: INFILTRAT CELL TGLs = 7-2			
Mesentery		Mesothelioma Malignant	
Note: [ MESOTHELIO MAL ] TGLs = 6-13			
Pancreas		Mesothelioma Malignant	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 69

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 616

**DOSE:** .1 G/KG LM

**DISP:** Moribund

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Spleen

Hematopoietic Cell Proliferation  
Mesothelioma Malignant

Moderate

Note: [ MESOTHELIO MAL ] TGLs = 17-3

[ Hematopoietic Cell Proliferation TGLS = 16-3 ]

Testes

Bilateral, Interstit Cell  
Tunic

Adenoma  
Mesothelioma Malignant

Note: ADENOMA TGLs = 11-6,12-6

Note: [ MESOTHELIO MAL ] TGLs = 13-6

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 70	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 736
	<b>DOSE:</b> .1 G/KG LM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Islets, Pancreatic	Prostate	Seminal Vesicle
Urinary Bladder			

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**OBSERVATIONS**

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Kidney	Renal Tubule	Nephropathy	Mild
		Pigmentation	Mild
Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Focal, Mild
Pancreas	Artery	Mineralization	Mild
Note: MINERALIZATION TGLs = 2-2			
Spleen		Hematopoietic Cell Proliferation	Mild
Note: CONGESTED			
Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-3 ]			

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 71	<b>TRT#:</b> 3 <b>DOSE:</b> .1 G/KG LM	<b>SEX:</b> Male <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 650 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Seminal Vesicle
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**OBSERVATIONS**

Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 2-4		
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Marked
Note: ANGIECTASIS	TGLs = 5-2		
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
	Interstit Cell	Hyperplasia	Minimal
Note: ADENOMA	TGLs = 3-3		

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 72

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 736

**DOSE:** .1 G/KG LM

**DISP:** Terminal Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Islets, Pancreatic

Seminal Vesicle

**OBSERVATIONS**

Kidney

Papilla

Mineralization

Minimal

Nephropathy

Minimal

Renal Tubule

Pigmentation

Minimal

Note: NEPHROPATHY TGLs = 6-1

Liver

Basophilic Focus

Clear Cell Focus

Degeneration

Cystic, Minimal

Bile Duct

Hyperplasia

Mild

Note: DEGEN TGLs = 4-2

Lymph Node

Mesenteric

Infiltration Cellular

Histiocyte, Mild

Renal

Infiltration Cellular

Histiocyte, Moderate

Pancreatic

Pigmentation

Mild

Renal

Pigmentation

Mild

Note: PIGMENT TGLs = 7-2

Note: INFILTRAT CELL TGLs = 5-2

Pancreas

Acinus

Hyperplasia

Moderate

Testes

Bilateral, Interstit Cell

Adenoma

[ Adenoma TGLS = 1-3,2-3 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 73

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 499

**DOSE:** .1 G/KG LM

**DISP:** Moribund

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Bone	Bone Marrow	Epididymis	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland	Pancreas
Parathyroid Gland	Pituitary Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Glandular
Thyroid Gland	Trachea		

**OBSERVATIONS**

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Brain	Cerebellum	Hemorrhage	Mild
	Cerebellum	Necrosis	Mild
Esophagus		Necrosis	Moderate
Note: NECROSIS	TGLs = 3-8		
Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
Islets Panc			
Note: A FEW LARGE ISLETS			
Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
		Fatty Change	Focal, Mild
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 6-1+2		
Lymph Node	Mandibular, Mesenteric	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 5-2		
Nose		Inflammation	Chronic Active, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 73	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 499
	<b>DOSE:</b> .1 G/KG LM	<b>DISP:</b> Moribund	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Pituitary GI			
Note: NUMEROUS DEGRANULATED CELLS WITH PROMINENT GOLGI			
Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 2-3 ]			
Stomach	Forestomach	Acanthosis	Mild
	Forestomach	Hyperkeratosis	Mild
Testes	Interstit Cell	Hyperplasia	Minimal
Thymus		Leukemia Mononuclear	
Urinary Bladder		Leukemia Mononuclear	

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 74	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 736
	<b>DOSE:</b> .1 G/KG LM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex

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**OBSERVATIONS**

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Mild
Liver	Bile Duct	Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 3-2		
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
Note: ADENOMA	TGLs = 1-2,2-2		

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 75	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 736
	<b>DOSE:</b> .1 G/KG LM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex

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**OBSERVATIONS**

Adrenal Gland		Accessory Adrenal Cortical Nodule	
	Medulla	Pheochromocytoma Benign	
	[ Accessory Adrenal Cortical Nodule TGLS = 3-1 ]		
Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild

Note: ADENOMA TGLs = 1-2

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 76	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 736
	<b>DOSE:</b> .1 G/KG LM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex

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**OBSERVATIONS**

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	
		Fatty Change	Focal, Minimal
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
	[ Hepatodiaphragmatic Nodule TGLS = 2-2 ]		
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
	Interstit Cell	Hyperplasia	Minimal

Note: ADENOMA TGLs = 1-2

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

<b>ANIMAL ID:</b> 77	<b>TRT#:</b> 3 <b>DOSE:</b> .1 G/KG LM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 737 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

<b>NORMAL</b>			
Adrenal Gland - Medulla	Epididymis	Preputial Gland	Seminal Vesicle
Trachea			
<b>OBSERVATIONS</b>			
Adrenal Gland	Cortex	Hyperplasia	Mild
Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Neoplastic Nodule	
Note: LEUKEMIA MONUC	TGLs = 8-2		
Note: NEOPLASTIC NOD	TGLs = 9-2		
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 5-3		
Lymph Node	Mesenteric	Angiectasis	Moderate
Note: ANGIECTASIS	TGLs = 7-4		
Skin		Hyperkeratosis	Moderate
		Squamous Cell Carcinoma	
Note: SQUAM CEL CARC	TGLs = 1-5+6		
Spleen		Fibrosis	Mild
		Hemorrhage	Mild
		Leukemia Mononuclear	
[ Fibrosis TGLS = 6-2 ]			
Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma	
		Atrophy	Mild
Note: ADENOMA	TGLs = 3-4		
<b>PRIMARY CAUSE OF DEATH</b>			
-			

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Probenecid  
CAS Number: 57-66-9

Date Report Requested: 10/21/2014  
Time Report Requested: 23:03:12  
First Dose M/F: NA / NA  
Lab: TSI MASON

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ANIMAL ID: 78	TRT#: 3	SEX: Male	DAY ON TEST: 651
	DOSE: .1 G/KG LM	DISP: Gavage Death	HISTO:

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Esophagus	Seminal Vesicle
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**OBSERVATIONS**

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	
		Fatty Change	Diffuse, Mild
		Mixed Cell Focus	
Lung		Congestion	Marked
		Hemorrhage	Mild
Note: CONGESTION TGLs = 1-2			
Nose		Congestion	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 5-3			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 6-4			

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:12

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 79

TRT#: 3

SEX: Male

DAY ON TEST: 517

DOSE: .1 G/KG 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 - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Islets, Pancreatic	Lung	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Intestine Small	Jejunum	Adenocarcinoma	
	Jejunum	Hemorrhage	Mild
Note: ADENOCARC	TGLs = 1-7.1		
Note: HEMORRHAGE	TGLs = 2-7.1		
Kidney	Papilla	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Mild
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 80	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 737
	<b>DOSE:</b> .1 G/KG LM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex

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**OBSERVATIONS**

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Mild
Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-2			
Pituitary Gland	Pars Distalis	Adenoma	Multiple
	Pars Distalis	Angiectasis	Moderate
[ Angiectasis TGLS = 2-2 ]			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-2			

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 81

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 737

**DOSE:** .1 G/KG LM

**DISP:** Terminal Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
 Skin

Epididymis  
 Thymus

Mammary Gland

Seminal Vesicle

**OBSERVATIONS**

Adrenal Gland  
 Kidney

Medulla  
 Renal Tubule

Hyperplasia  
 Adenoma  
 Nephropathy  
 Pigmentation

Mild  
 Mild  
 Minimal

Note: NEPHROPATHY TGLs = 6-1  
 Liver

Basophilic Focus  
 Fatty Change  
 Angiectasis

Focal, Mild  
 Mild

Lymph Node  
 Note: ANGIECTASIS TGLs = 12-2

Mediastinal

Pituitary Gland

Pars Distalis  
 Pars Distalis

Adenoma  
 Angiectasis

Mild

Note: ADENOMA TGLs = 7-2  
 Note: CYSTS IN NEURAL LOBE

Preputial Gland  
 Note: ADENOMA TGLs = 1-4

Adenoma

Salivary Glands  
 Note: METAPL TGLs = 3-2

Duct

Metaplasia

Squamous, Minimal

Testes  
 Note: ADENOMA TGLs = 4-3

Bilateral, Interstit Cell  
 Seminif Tub  
 Interstit Cell

Adenoma  
 Atrophy  
 Hyperplasia

Mild  
 Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 82	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 737
	<b>DOSE:</b> .1 G/KG LM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Epididymis	Seminal Vesicle
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**OBSERVATIONS**

Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
Skin	Subcut Tiss	Fibroma	
Note: FIBROMA	TGLs = 1-3		
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
	Interstit Cell	Hyperplasia	Minimal
Note: ADENOMA	TGLs = 2-2,3-2		

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Test Compound: Probenecid  
CAS Number: 57-66-9

Date Report Requested: 10/21/2014  
Time Report Requested: 23:03:12  
First Dose M/F: NA / NA  
Lab: TSI MASON

ANIMAL ID: 83                      TRT#: 3                      SEX: Male                      DAY ON TEST: 737  
DOSE: .1 G/KG LM                      DISP: Terminal Sacrifice                      HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex                      Epididymis                      Seminal Vesicle                      Trachea

**OBSERVATIONS**

Adrenal Gland	Medulla	Hyperplasia	Mild
Kidney	Cortex	Mineralization	Minimal
	Papilla	Mineralization	Minimal
		Nephropathy	Mild
Liver	Renal Tubule	Pigmentation	Mild
		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
Lung		Alveolar/Bronchiolar Adenoma	
		Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
	Interstit Cell	Hyperplasia	Minimal

Note: ALV BRON ADEN    TGLs = 4-2

Note: HYPERPLASIA    TGLs = 5-2

[ Hyperplasia TGLS = 1-3,2-3 ]

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

<b>ANIMAL ID:</b> 84	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 737
	<b>DOSE:</b> .1 G/KG LM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Epididymis	Lung	Trachea	
<b>OBSERVATIONS</b>			
Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
	Cortex	Mineralization	Minimal
	Papilla	Mineralization	Minimal
		Nephropathy	Moderate
	Renal Tubule	Pigmentation	Mild
Note: NEPHROPATHY	TGLs = 7-1		
Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: ANOM HEPAT LOB	TGLs = 8-3,9-3		
	[ Hepatodiaphragmatic Nodule TGLS = 10-3 ]		
Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
Note: CONGESTED			
Note: LEUKEMIA MONUC	TGLs = 6-3		
Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
	[ Hyperplasia TGLS = 2-4 ]		

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 85

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 503

**DOSE:** .1 G/KG LM

**DISP:** Dead

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Bone	Bone Marrow	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Islets, Pancreatic	Lymph Node - Mesenteric	Nose
Pituitary Gland	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Stomach - Glandular	Thyroid Gland
Trachea			

**MISSING**

Intestine Small - Jejunum	Mammary Gland	Parathyroid Gland
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**OBSERVATIONS**

Adrenal Gland	Medulla	Hyperplasia	Mild
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Brain	Cerebrum	Hemorrhage	Moderate
		Leukemia Mononuclear	
Note: HEMORRHAGE	TGLs = 13-5+5.1		
Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
	Papilla	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Note: LEUKEMIA MONUC	TGLs = 7-4		
Note: NEPHROPATHY	TGLs = 6-4		
Liver		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[ Fatty Change TGLS = 12-3 ]			
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-1+2		
Lymph Node	Mediastinal	Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 85	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 503
	<b>DOSE:</b> .1 G/KG LM	<b>DISP:</b> Dead	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: LEUKEMIA MONUC TGLs = 4-2.1			
Pancreas	Acinus	Hyperplasia	Moderate
Saliv Glands			
Note: SUGGESTIVE OF AMYLOID			
Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 5-3 ]			
Stomach	Forestomach	Hyperplasia	Basal Cell, Minimal
Note: HYPERPLASIA TGLs = 14-7.1			
Note: EOSINOPHILS IN SUBMUCOSA.			
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: ADENOMA TGLs = 1-6			
Thymus		Leukemia Mononuclear	
Urinary Bladder		Calculus Gross Observation	
		Calculus Micro Observation Only	
Note: CALCUS MIC OBS TGLs = 8-9			

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 86                      **TRT#:** 3                      **SEX:** Male                      **DAY ON TEST:** 737  
**DOSE:** .1 G/KG LM                      **DISP:** Terminal Sacrifice                      **HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex                      Blood

**OBSERVATIONS**

Adrenal Gland	Medulla	Pheochromocytoma Benign	
[ Pheochromocytoma Benign TGLS = 10-1 ]			
Epididymis		Mesothelioma Malignant	
Note: [ MESOTHELIO MAL ] TGLs = 8-2+3			
Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Moderate
Lymph Node	Mesenteric	Pigmentation	Minimal
Note: PIGMENT TGLs = 12-4			
Mesentery		Mesothelioma Malignant	
Note: [ MESOTHELIO MAL ] TGLs = 13-4			
Pancreas		Mesothelioma Malignant	
Note: [ MESOTHELIO MAL ] TGLs = 9-4			
Seminal Vesicle		Mesothelioma Malignant	
Skin		Pigmentation	Mild
		Squamous Cell Papilloma	
Note: MESOTHELIOMA IN SCROTAL SAC			
Note: PAPILOMA SQUA TGLs = 2-5			
Note: PIGMENT TGLs = 1-3			
Spleen		Hematopoietic Cell Proliferation	Mild
Note: HEMA CELL PROL TGLs = 11-4			
Stomach	Forestomach	Mesothelioma Malignant	
Note: MESOTHELIO MAL TGLs = 14-7.1+7.2			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
	Tunic	Mesothelioma Malignant	
Note: ADENOMA TGLs = 5-2,6-2			
Note: ATROPHY TGLs = 6-2			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01

**Test Type:** CHRONIC

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Probenecid

**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 23:03:12

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

**Lab:** TSI MASON

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**ANIMAL ID:** 86

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 737

**DOSE:** .1 G/KG 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:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 87

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 462

**DOSE:** .1 G/KG LM

**DISP:** Moribund

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Bone	Bone Marrow	Ear	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	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

**OBSERVATIONS**

Adrenal Gland	Medulla	Hyperplasia	Mild
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-8			
Brain		Leukemia Mononuclear	
Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
	Papilla	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Fatty Change	Focal, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[ Fatty Change TGLS = 5-3 ]			
Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-1+2			
Note: ALV BRON ADEN TGLs = 8-2			
[ Leukemia Mononuclear TGLS = 9-1 ]			
Lymph Node	Mediastinal	Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 87	<b>TRT#:</b> 3 <b>DOSE:</b> .1 G/KG LM	<b>SEX:</b> Male <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 462 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: LEUKEMIA MONUC TGLs = 7-2 Mammary Gland Pituitary Gland	Mesenteric  Pars Distalis Pars Intermed	Leukemia Mononuclear  Galactocele Adenoma Angiectasis Leukemia Mononuclear	   Mild
Note: ADENOMA TGLs = 6-8 Spleen [ Leukemia Mononuclear TGLS = 3-3 ] Testes		Leukemia Mononuclear  Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-6			

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 88

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 737

**DOSE:** .1 G/KG LM

**DISP:** Terminal Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex

Epididymis

Seminal Vesicle

Stomach - Glandular

**OBSERVATIONS**

Adrenal Gland

Medulla

Pheochromocytoma Benign

Kidney

Papilla

Mineralization

Minimal

Pelvis

Mineralization

Minimal

Nephropathy

Mild

Renal Tubule

Pigmentation

Mild

Liver

Bile Duct

Hyperplasia

Mild

Lung

Hemorrhage

Mild

Inflammation

Acute, Moderate

Note: HEMORRHAGE TGLs = 2-2

Skin

Cyst Epithelial Inclusion

Hyperkeratosis

Moderate

Hyperplasia

Basal Cell, Minimal

[ Hyperkeratosis TGLS = 1-4 ]

Spleen

Hematopoietic Cell Proliferation

Mild

Note: HEMA CELL PROL TGLs = 5-2

Stomach

Forestomach

Squamous Cell Papilloma

Note: PAPILLOMA SQUA TGLs = 8-2

Testes

Interstit Cell

Adenoma

Note: ADENOMA TGLs = 4-3

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 89

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 582

**DOSE:** .1 G/KG LM

**DISP:** Moribund

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Heart		Cardiomyopathy	Mild
Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Minimal
Liver		Basophilic Focus	
		Fatty Change	Focal, Minimal
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
[ Fatty Change TGLS = 5-3 ]			
Preputial Gland	Bilateral	Adenoma	
Note: ADENOMA	TGLs = 1-10+10.1,2-10+10.1		
Seminal Vesicle		Concretion	Mild
Note: CONCRETION	TGLs = 4-6		
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 90	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 737
	<b>DOSE:</b> .1 G/KG LM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Epididymis	Harderian Gland	Liver
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**OBSERVATIONS**

Adrenal Gland	Medulla	Hyperplasia	Mild
Eye	Lens	Cataract	Mild
		Hemorrhage	Mild
Note: CATARACT	TGLs = 1-2		
Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Mild
Lymph Node	Mediastinal	Pigmentation	Mild
Note: PIGMENT	TGLs = 3-2		
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
Note: ADENOMA	TGLs = 4-3		

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 91	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 737
	<b>DOSE:</b> .1 G/KG LM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex

Esophagus

Parathyroid Gland

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**OBSERVATIONS**

Adrenal Gland

Bilateral, Medulla

Pheochromocytoma Benign

[ Pheochromocytoma Benign TGLS = 6-1 ]

Kidney

Nephropathy

Mild

Renal Tubule

Pigmentation

Mild

Preputial Gland

Carcinoma

Note: CARCINOMA TGLs = 1-3

Seminal Vesicle

Concretion

Moderate

Note: CONCRETION TGLs = 4-2

Spleen

Hematopoietic Cell Proliferation

Mild

Thyroid Gland

C Cell

Adenoma

Note: ADENOMA TGLs = 3-2

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:12

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 92

TRT#: 3

SEX: Male

DAY ON TEST: 694

DOSE: .1 G/KG LM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Epididymis

Seminal Vesicle

Stomach - Glandular

Thymus

OBSERVATIONS

Islets, Pancreatic

Hyperplasia

Mild

Note: HYPERPLASIA TGLs = 11-2

Kidney

Nephropathy

Minimal

Renal Tubule

Pigmentation

Moderate

Note: INCREASED CELLULARITY IN MANY RENAL TUBULES

Note: NEPHROPATHY TGLs = 10-1

Skin

Hyperkeratosis

Moderate

Keratoacanthoma

Subcut Tiss

Schwannoma Malignant

Note: HYPERKERATOSIS TGLs = 2-4

Note: [ SCHWANNOMA MAL ] TGLs = 4-5+5.1+5.2

Stomach

Forestomach

Acanthosis

Mild

Forestomach

Hyperkeratosis

Mild

Forestomach

Necrosis

Mild

Note: NECROSIS TGLs = 12-2

Testes

Bilateral, Interstit Cell

Adenoma

Note: ADENOMA TGLs = 7-3

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:12

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 93

TRT#: 3

SEX: Male

DAY ON TEST: 699

DOSE: .1 G/KG LM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Harderian Gland  
Trachea

Pancreas

Stomach - Glandular

Thymus

OBSERVATIONS

Adrenal Gland

Medulla  
Cortex  
Medulla

Hyperplasia  
Leukemia Mononuclear  
Pheochromocytoma Benign

Minimal

Note: PHEOCHROM BGN TGLs = 11-1

Eye

Lens

Cataract

Moderate

Note: CATARACT TGLs = 1-7,3-7

Islets, Pancreatic

Adenoma

Note: ADENOMA TGLs = 9-3

Kidney

Papilla

Mineralization  
Nephropathy  
Pigmentation

Minimal  
Mild  
Mild

Note: NEPHROPATHY TGLs = 12-1

Lung

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 6-6

Lymph Node

Mesenteric  
Renal

Pigmentation  
Pigmentation

Mild  
Mild

Note: PIGMENT TGLs = 10-3,13-1

Mammary Gland

Galactocele  
Leukemia Mononuclear  
Necrosis

Mesentery

Fat

Moderate

[ Leukemia Mononuclear TGLs = 15-2 ]

[ Necrosis TGLs = 14-2 ]

Pituitary Gland

Pars Distalis

Hyperplasia  
Leukemia Mononuclear

Mild

Note: LEUKEMIA MONUC TGLs = 16-3

Prostate

Inflammation

Chronic Active, Mild

Note: INFLAMMATION TGLs = 7-4

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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**ANIMAL ID:** 93

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 699

**DOSE:** .1 G/KG LM

**DISP:** Moribund

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Spleen

Leukemia Mononuclear

[ Leukemia Mononuclear TGLS = 8-2 ]

Stomach

Forestomach

Acanthosis

Moderate

Forestomach

Inflammation

Chronic Active, Mild

Forestomach

Mineralization

Mild

[ Acanthosis TGLS = 17-2 ]

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 94	<b>TRT#:</b> 3 <b>DOSE:</b> .1 G/KG LM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 737 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Epididymis	Seminal Vesicle
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**OBSERVATIONS**

Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Note: HYPERPLASIA TGLs = 2-2			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
Note: ADENOMA TGLs = 1-2			

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 95	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 737
	<b>DOSE:</b> .1 G/KG LM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Islets, Pancreatic	Liver
Pancreas	Seminal Vesicle		

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**OBSERVATIONS**

Kidney	Cortex	Mineralization	Minimal
	Papilla	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Mild
Lymph Node	Pancreatic	Infiltration Cellular	Histiocyte, Mild
	Pancreatic	Pigmentation	Mild
Note: INFILTRAT CELL TGLs = 4-2			
Pituitary Gland	Pars Distalis	Angiectasis	Moderate
Note: ANGIECTASIS TGLs = 5-2			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
Note: ADENOMA TGLs = 1-3			
Note: ATROPHY TGLs = 2-3			

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 96	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 737
	<b>DOSE:</b> .1 G/KG LM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Epididymis	Seminal Vesicle
------------------------	-------------------------	------------	-----------------

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**OBSERVATIONS**

Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Mild
Skin	Subcut Tiss	Fibrosarcoma	
Note: [ FIBROSARC ] TGLs = 4-3			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
	Interstit Cell	Hyperplasia	Minimal
[ Atrophy TGLS = 2-2 ]			
[ Hyperplasia TGLS = 1-2 ]			

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 97

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 672

**DOSE:** .1 G/KG LM

**DISP:** Dead

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Esophagus

Parathyroid Gland

Thyroid Gland

**OBSERVATIONS**

Adrenal Gland

Cortex

Leukemia Mononuclear

Medulla

Pheochromocytoma Benign

Kidney

Papilla

Mineralization

Minimal

Nephropathy

Mild

Renal Tubule

Pigmentation

Mild

Liver

Leukemia Mononuclear

[ Leukemia Mononuclear TGLS = 8-2 ]

Lymph Node

Lumbar

Infiltration Cellular

Histiocyte, Mild

Lumbar

Pigmentation

Mild

[ Infiltration Cellular TGLS = 7-2 ]

Spleen

Leukemia Mononuclear

Necrosis

Moderate

Note: NECROSIS TGLs = 6-2

[ Necrosis TGLS = 5-2 ]

Testes

Bilateral, Interstit Cell

Adenoma

Seminif Tub

Atrophy

Moderate

Note: ADENOMA TGLs = 2-3

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 98

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** .1 G/KG LM

**DISP:** Moribund

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex

Epididymis

Seminal Vesicle

**OBSERVATIONS**

Adrenal Gland

Medulla

Hyperplasia

Mild

Medulla

Pheochromocytoma Malignant

Note: [ PHEOCHROM MAL ] TGLs = 6-2

Kidney

Papilla

Mineralization

Minimal

Nephropathy

Moderate

Renal Tubule

Pigmentation

Mild

Liver

Basophilic Focus

Lymph Node

Mesenteric

Infiltration Cellular

Histiocyte, Mild

Renal

Infiltration Cellular

Histiocyte, Mild

Mesenteric

Pigmentation

Mild

Note: INFILTRAT CELL TGLs = 5-3,8-1

Salivary Glands

Duct

Metaplasia

Mild

Note: METAPL TGLs = 2-3

Testes

Bilateral, Interstit Cell

Adenoma

Seminif Tub

Atrophy

Mild

Interstit Cell

Hyperplasia

Minimal

Note: ADENOMA TGLs = 3-4

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

<b>ANIMAL ID:</b> 99	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 737
	<b>DOSE:</b> .1 G/KG LM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Epididymis
------------------------	------------

**OBSERVATIONS**

Adrenal Gland	Medulla	Hyperplasia	Mild
Kidney	Papilla	Mineralization	Minimal
	Renal Tubule	Nephropathy	Mild
		Pigmentation	Mild
Note: A FEW SCLEROSED GLOMERULI			
Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Focal, Minimal
Note: HYPERPLASIA TGLs = 3-2	Bile Duct	Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild
Note: [ HYPERPLASIA ] TGLs = 4-2			
Spleen		Congestion	Moderate
		Hematopoietic Cell Proliferation	Mild
Note: CONGESTION TGLs = 2-2			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
	Interstit Cell	Hyperplasia	Mild
[ Atrophy TGLS = 1-3 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 100      **TRT#:** 3      **SEX:** Male      **DAY ON TEST:** 737  
**DOSE:** .1 G/KG LM      **DISP:** Terminal Sacrifice      **HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex      Adrenal Gland - Medulla      Mammary Gland

**OBSERVATIONS**

Kidney	Papilla	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Moderate
Liver		Basophilic Focus	
		Clear Cell Focus	
Note: CLEAR CL FOCUS    TGLs = 6-2			
Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Mild
	Mesenteric	Pigmentation	Mild
Note: PIGMENT            TGLs = 10-2			
Note: INFILTRAT CELL    TGLs = 4-2			
Pituitary Gland	Pars Distalis	Adenoma	Multiple
	Pars Distalis	Angiectasis	Moderate
Note: ANGIECTASIS        TGLs = 8-2			
Note: ADENOMA            TGLs = 7-2,9-2			
Skin		Basal Cell Carcinoma	
Note: [ BASAL CEL CARC ] TGLs = 2-3			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA            TGLs = 3-3			

PRIMARY CAUSE OF DEATH      -

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:12

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 101

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: .4 G/KG HM

DISP: Terminal Sacrifice

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

OBSERVATIONS

Esophagus			
Note: BLOOD IN ESOPHAGUS			
Heart		Cardiomyopathy	Mild
Kidney	Papilla	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Mild
Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Mild
Note: INFILTRAT CELL TGLs = 6-8			
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 4-13			
Pituitary Gland	Pars Distalis	Adenoma	
Salivary Glands	Duct	Inflammation	Chronic Active, Minimal
	Duct	Metaplasia	Squamous, Mild
Note: METAPL TGLs = 1-9			
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
	Interstit Cell	Hyperplasia	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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**ANIMAL ID:** 101

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** .4 G/KG HM

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: ADENOMA      TGLs = 2-6,3-6

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 102

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 708

**DOSE:** .4 G/KG HM

**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 - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Nose	Preputial Gland	Prostate
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

**MISSING**

Mammary Gland	Parathyroid Gland
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**OBSERVATIONS**

Epididymis		Mesothelioma Malignant	
Note: [ MESOTHELIO MAL ] TGLs = 7-6			
Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Mesothelioma Malignant	
Kidney		Cyst	
	Pelvis	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Moderate
Note: CYST TGLs = 12-4			
Liver	Bile Duct	Hyperplasia	Mild
		Necrosis	Mild
Note: CENTRIOBULAR COAGULATIVE NECROSIS			
Lymph Node	Mediastinal	Infiltration Cellular	Histiocyte, Moderate
	Mesenteric	Infiltration Cellular	Histiocyte, Mild
	Renal	Infiltration Cellular	Histiocyte, Mild
Note: INFILTRAT CELL TGLs = 5-2,14-13			
Mesentery		Mesothelioma Malignant	
Note: [ MESOTHELIO MAL ] TGLs = 10-14			
Pancreas		Mesothelioma Malignant	
Pituitary Gland	Pars Distalis	Adenoma	
Note: 'ACIDOPHIL ADENOMA'			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 102	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 708
	<b>DOSE:</b> .4 G/KG HM	<b>DISP:</b> Moribund	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Seminal Vesicle Note: [ MESOTHELIO MAL ] TGLs = 11-6		Mesothelioma Malignant	
Skeletal Muscle Note: [ MESOTHELIO MAL ] TGLs = 13-13+14		Mesothelioma Malignant	
Spleen		Hematopoietic Cell Proliferation	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
	Interstit Cell	Hyperplasia	Minimal
	Tunic	Mesothelioma Malignant	
Note: ADENOMA TGLs = 8-6			
Thyroid Gland	C Cell	Hyperplasia	Mild

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 103                      **TRT#:** 4                      **SEX:** Male                      **DAY ON TEST:** 695  
**DOSE:** .4 G/KG HM                      **DISP:** Gavage Death                      **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 - Jejunum
Islets, Pancreatic	Mammary Gland	Nose	Pancreas
Pituitary Gland	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Urinary Bladder	

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Heart		Cardiomyopathy	Mild
Intestine Small	Ileum, Lymphoid Nodul	Hyperplasia	Moderate
Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Liver	Bile Duct	Hyperplasia	Mild
Lung		Edema	Mild
		Hemorrhage	Mild
Note: YELLOW GLOBULE,PROBABLY OIL, IN SOME ALVEOLI [ Edema TGLS = 3-1+2 ]			
Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Mild
Note: INFILTRAT CELL TGLs = 6-8			
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2-6			
Trachea		Erosion	Moderate

**PRIMARY CAUSE OF DEATH**

-

Animal Note: A GOOD EXAMPLE FOR GAVAGE ACCIDENT

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:12

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 104

TRT#: 4

SEX: Male

DAY ON TEST: 588

DOSE: .4 G/KG HM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Ear		Hemorrhage	Mild
		Necrosis	Moderate
[ Hemorrhage TGLS = 3-13 ]			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Liver	Bile Duct	Hyperplasia	Mild
Lymph Node	Lumbar	Hemorrhage	Mild
	Renal	Hemorrhage	Minimal
	Iliac	Infiltration Cellular	Histiocyte, Mild
	Mesenteric	Infiltration Cellular	Histiocyte, Mild
Note: INFILTRAT CELL TGLs = 12-8			
Note: HEMORRHAGE TGLs = 17-3			
Note: HEMORRHAGE TGLs = 16-4			
Note: INFILTRAT CELL TGLs = 13-7			
Prostate	Epithelium	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
Note: HYPERPLASIA TGLs = 10-6			
Spleen		Hematopoietic Cell Proliferation	Mild

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 104	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 588
	<b>DOSE:</b> .4 G/KG HM	<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	
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA	TGLs = 8-6,9-6		
Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Carcinoma	
Note: ADENOMA	TGLs = 6-8		
Note: CARCINOMA	TGLs = 5-8		

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 105

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** .4 G/KG HM

**DISP:** Terminal Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Intestine Large	Colon	Parasite	Minimal
Kidney	Cortex	Mineralization	Minimal
	Papilla	Mineralization	Minimal
Liver	Renal Tubule	Nephropathy	Mild
		Pigmentation	Minimal
	Bile Duct	Basophilic Focus	
		Hyperplasia	Mild
Lymph Node	Mesenteric	Mixed Cell Focus	
		Infiltration Cellular	Histiocyte, Mild
Nose		Inflammation	Chronic Active, Mild
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
		Seminif Tub	Mild
		Interstit Cell	Mild
Thyroid Gland	C Cell	Adenoma	

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 106

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** .4 G/KG 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	Lung	Lymph Node - Mesenteric
Mammary Gland	Nose	Parathyroid Gland	Prostate
Salivary Glands	Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**OBSERVATIONS**

Adrenal Gland	Medulla	Hyperplasia	Mild
Eye	Retina	Atrophy	Mild
		Synechia	Mild
[ Atrophy TGLS = 2-13 ]			
Heart		Cardiomyopathy	Moderate
Kidney	Papilla	Mineralization	Minimal
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
Liver		Basophilic Focus	
		Fatty Change	Focal, Minimal
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
Note: ANOM HEPAT LOB TGLs = 7-3.1			
Pancreas	Acinus	Hyperplasia	Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Preputial Gland		Necrosis	Mild
Skin	Subcut Tiss	Fibroma	
Note: FIBROMA TGLs = 1-13			
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
	Interstit Cell	Hyperplasia	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01

**Test Type:** CHRONIC

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Probenecid

**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 23:03:12

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

**Lab:** TSI MASON

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**ANIMAL ID:** 106

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** .4 G/KG HM

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: ADENOMA      TGLs = 4-6

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 107

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 727

**DOSE:** .4 G/KG 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	Lung	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

**OBSERVATIONS**

Adrenal Gland	Medulla	Hyperplasia	Mild
Heart		Cardiomyopathy	Mild
Kidney	Papilla	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	
		Focal Cellular Change	
	Bile Duct	Hyperplasia	Mild
Lymph Node	Lumbar	Hematopoietic Cell Proliferation	Mild
	Renal	Infiltration Cellular	Histiocyte, Mild
Note: INFILTRAT CELL TGLs = 9-4			
Note: HEMA CELL PROL TGLs = 8-3			
Preputial Gland		Carcinoma	
Note: CARCINOMA TGLs = 4-13			
Salivary Glands	Duct	Metaplasia	Squamous, Minimal
Spleen		Hematopoietic Cell Proliferation	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
Note: ADENOMA TGLs = 5-6			

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:12

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 108

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: .4 G/KG 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	Nose
Pancreas	Parathyroid Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Moderate
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
Lung		Alveolar/Bronchiolar Adenoma	
		Infiltration Cellular	Histiocyte, Minimal
Note: ALV BRON ADEN TGLs = 4-1			
Note: THE LESION CALLED A/B ADENOMA COULD BE A METASTATIC TUMOR.			
Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Mild
	Renal	Infiltration Cellular	Histiocyte, Mild
Note: INFILTRAT CELL TGLs = 7-8			
Note: INFILTRAT CELL TGLs = 8-3			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Preputial Gland	Bilateral	Adenoma	
		Necrosis	Mild
Note: ADENOMA TGLs = 2-10.1			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 108	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> .4 G/KG HM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: NECROSIS	TGLs = 3-10+10.1			
Spleen			Hematopoietic Cell Proliferation	Mild
Testes		Bilateral, Interstit Cell	Adenoma	
		Seminif Tub	Atrophy	Mild
Note: ADENOMA	TGLs = 5-6			
Thyroid Gland		Follicular Cel	Adenoma	
		C Cell	Hyperplasia	Minimal

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:12

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 109

TRT#: 4

SEX: Male

DAY ON TEST: 457

DOSE: .4 G/KG HM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Eye	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Liver	Nose	Pancreas
Parathyroid Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea		

MISSING

Esophagus	Mammary Gland
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OBSERVATIONS

Brain	Cerebrum	Hemorrhage	Minimal
Heart		Cardiomyopathy	Mild
Kidney	Papilla	Mineralization	Minimal
	Renal Tubule	Pigmentation	Minimal
Lung		Congestion	Mild
[ Congestion TGLS = 2-1+2 ]			
Lymph Node	Mesenteric	Infiltration Cellular	Mast Cell, Mild
Note: INFILTRAT CELL TGLs = 6-9			
Pituitary Gland	Pars Distalis	Hemorrhage	Marked
	Pars Distalis	Necrosis	Moderate
Note: ENTIRE GLAND IS HEMORRHAGIC			
Note: HEMORRHAGE TGLs = 8-8			
Preputial Gland		Inflammation	Chronic Active, Moderate
Spleen		Hematopoietic Cell Proliferation	Minimal
		Infiltration Cellular	Histiocyte, Mild
Testes		Congestion	Minimal
Note: CONGESTION TGLs = 4-6			
Urinary Bladder		Calculus Micro Observation Only	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 110

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 611

**DOSE:** .4 G/KG 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 - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Preputial Gland	Prostate	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

**MISSING**

Mammary Gland

**OBSERVATIONS**

Eye	Retina	Atrophy	Moderate
	Sclera	Pigmentation	Minimal
		Synechia	Moderate
	[ Atrophy TGLS = 1-13 ]		
Harderian Gland		Hyperplasia	Minimal
Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite	Minimal
Kidney	Papilla	Mineralization	Mild
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Focal Cellular Change	
	Bile Duct	Hyperplasia	Mild
	Note: THE AREA CALLED AS FOCAL CELLULAR CHANGE MAY BE AN		
	Note: EARLY NEOPLASTIC NODULE		
Lung		Congestion	Mild
	Note: CONGESTION TGLs = 6-1+2		
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Salivary Glands	Duct	Metaplasia	Squamous, Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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**ANIMAL ID:** 110

**TRT#:** 4  
**DOSE:** .4 G/KG HM

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

**DAY ON TEST:** 611  
**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: ADENOMA      TGLs = 2-6

Interstit Cell

Hyperplasia

Mild

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 111

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** .4 G/KG HM

**DISP:** Terminal Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Islets, Pancreatic		Adenoma	
Kidney	Papilla	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
	Renal Tubule	Nephropathy	Moderate
Liver		Pigmentation	Mild
	Bile Duct	Basophilic Focus	
Mammary Gland		Hyperplasia	Mild
Note: GALACTOCELE	TGLs = 4-10,5-10	Galactocele	
Mesentery	Fat	Inflammation	Chronic Active, Minimal
	Fat	Pigmentation	Moderate
Note: PIGMENT	TGLs = 10-13		
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
Note: ADENOMA	TGLs = 9-8		
Prostate	Epithelium	Hyperplasia	Minimal
		Inflammation	Chronic Active, Mild
Note: INFLAMMATION	TGLs = 7-6		
Salivary Glands	Duct	Metaplasia	Squamous, Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:12  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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**ANIMAL ID:** 111

**TRT#:** 4  
**DOSE:** .4 G/KG HM

**SEX:** Male  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 730  
**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Seminif Tub  
Interstit Cell

Atrophy  
Hyperplasia

Mild  
Mild

Note: ADENOMA      TGLs = 6-6

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 112

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 600

**DOSE:** .4 G/KG HM

**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	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Pituitary Gland	Seminal Vesicle
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

**MISSING**

Epididymis	Parathyroid Gland
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**OBSERVATIONS**

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
Preputial Gland	Bilateral	Adenoma	
Note: ADENOMA TGLs = 1-10			
Prostate		Inflammation	Chronic Active, Mild
Salivary Glands	Duct	Metaplasia	Squamous, Minimal
Skin		Necrosis	Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 3-3			
Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
	Tunic	Mesothelioma Malignant	
Note: ADENOMA TGLs = 2-6			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 113

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 666

**DOSE:** .4 G/KG HM

**DISP:** Dead

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Intestine Small - Duodenum
Islets, Pancreatic	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	

**AUTO PRECLUDES DIAG.**

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

**OBSERVATIONS**

Heart		Cardiomyopathy	Moderate
		Schwannoma Malignant	
Kidney	Papilla	Mineralization	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver	Bile Duct	Hyperplasia	Mild
Lung		Alveolar/Bronchiolar Adenoma	
		[ Alveolar/Bronchiolar Adenoma TGLS = 3-1.1 ]	
Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Mild
Note: INFILTRAT CELL TGLs = 6-8			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Preputial Gland		Adenoma	
		Necrosis	Moderate
Note: ADENOMA TGLs = 1-10			
Note: NECROSIS TGLs = 2-10			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
Note: ADENOMA TGLs = 4-6			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 114

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 491

**DOSE:** .4 G/KG HM

**DISP:** Moribund

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Bone	Bone Marrow	Brain	Ear
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	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Stomach - Forestomach	Thyroid Gland
Trachea	Urinary Bladder		

**MISSING**

Mammary Gland

**OBSERVATIONS**

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 10-8		
Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
Kidney		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Note: A FEW SCLEROSED GLOMERULI			
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 11-3		
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 13-10		
Note: LEUKEMIA MONUC	TGLs = 6-2,9-9,12-9,13-10		
Note: LEUKEMIA MONUC	TGLs = 12-8		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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**ANIMAL ID:** 114

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 491

**DOSE:** .4 G/KG HM

**DISP:** Moribund

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Pituitary Gl

Note: CLUSTERS OF DEGRANULATED CELLS

Preputial Gland

Adenoma

Spleen

Leukemia Mononuclear

[ Leukemia Mononuclear TGLS = 4-3 ]

Stomach

Glandular

Hyperplasia

Mild

Testes

Interstit Cell

Hyperplasia

Minimal

Thymus

Leukemia Mononuclear

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 115

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 723

**DOSE:** .4 G/KG 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	Lung	Nose	Pancreas
Parathyroid Gland	Prostate	Salivary Glands	Seminal Vesicle
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

**MISSING**

Thymus

**OBSERVATIONS**

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Moderate
Kidney	Papilla	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
	Renal Tubule	Nephropathy	Moderate
		Pigmentation	Mild
Note: NEPHROPATHY TGLs = 13-4			
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
Lymph Node	Mediastinal	Angiectasis	Mild
	Mesenteric	Angiectasis	Moderate
	Renal	Angiectasis	Mild
	Renal	Infiltration Cellular	Histiocyte, Mild
Note: ANGIECTASIS TGLs = 12-8			
Note: ANGIECTASIS TGLs = 7-2			
Note: ANGIECTASIS TGLs = 14-3			
Mammary Gland		Galactocele	
Note: GALACTOCELE TGLs = 6-14			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
Note: ADENOMA TGLs = 15-8			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 115	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 723
	<b>DOSE:</b> .4 G/KG HM	<b>DISP:</b> Moribund	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Preputial Gland		Necrosis	Mild
Skin	Subcut Tiss	Fibroma	
		Hyperkeratosis	Moderate
		Squamous Cell Papilloma	
Note: FIBROMA	TGLs = 4-15+15.1,5-15+15.1		
Note: HYPERKERATOSIS	TGLs = 3-13		
Spleen		Hematopoietic Cell Proliferation	Moderate
Stomach	Forestomach	Acanthosis	Mild
	Forestomach	Hyperkeratosis	Mild
Note: ACANTHOSIS	TGLs = 17-7		
Note: HYPERKERATOSIS	TGLs = 17-7		
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
	Interstit Cell	Hyperplasia	Mild
Note: ATROPHY	TGLs = 9-6		
Note: ADENOMA	TGLs = 8-6		

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 116

TRT#: 4

SEX: Male

DAY ON TEST: 706

DOSE: .4 G/KG HM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Heart		Cardiomyopathy	Mild
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
		Fatty Change	Focal, Minimal
	Bile Duct	Hyperplasia	Mild
Lymph Node	Mesenteric	Depletion Lymphoid	Mild
	Pancreatic	Infiltration Cellular	Histiocyte, Mild
Preputial Gland		Adenoma	
		Necrosis	Moderate
Note: NECROSIS	TGLs = 4-14,5-14		
Note: ADENOMA	TGLs = 3-14		
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA	TGLs = 6-6		

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 117

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: .4 G/KG HM

DISP: Terminal Sacrifice

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

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	
		Fatty Change	Focal, Minimal
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
Note: ANOM HEPAT LOB TGLs = 8-3			
Lymph Node	Lumbar	Infiltration Cellular	Histiocyte, Mild
	Mesenteric	Infiltration Cellular	Histiocyte, Mild
	Renal	Infiltration Cellular	Histiocyte, Mild
Note: INFILTRAT CELL TGLs = 6-8,9-13,10-13			
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
Note: ADENOMA TGLs = 1-6			
Thymus	Epithel Cell	Hyperplasia	Mild
Note: IT IS NOT POSSIBLE TO IDENTIFY THE TWO CELL CLUSTERS			
Note: LYMPHOID OR EPITHELIAL CELLS			
Note: HYPERPLASIA TGLs = 4-2			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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**ANIMAL ID:** 117

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** .4 G/KG HM

**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: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 118

TRT#: 4

SEX: Male

DAY ON TEST: 735

DOSE: .4 G/KG HM

DISP: Terminal Sacrifice

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 - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Nose	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite	Mild
Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
		Fatty Change	Focal, Mild
	Bile Duct	Hyperplasia	Mild
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN	TGLs = 5-1.1		
Lymph Node	Mesenteric	Angiectasis	Mild
Pancreas	Acinus	Adenoma	
Note: ADENOMA	TGLs = 6-9		
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Preputial Gland		Adenoma	
Note: ADENOMA	TGLs = 1-10.1		
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Interstit Cell	Adenoma	
		Atrophy	Moderate
Note: ADENOMA	TGLs = 2-6		
Note: ATROPHY	TGLs = 3-6		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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**ANIMAL ID:** 118

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 735

**DOSE:** .4 G/KG HM

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Thyroid Gland

Carcinoma

Note: [ CARCINOMA ] TGLs = 4-8

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Test Compound: Probenecid  
 CAS Number: 57-66-9

Date Report Requested: 10/21/2014  
 Time Report Requested: 23:03:13  
 First Dose M/F: NA / NA  
 Lab: TSI MASON

ANIMAL ID: 119

TRT#: 4

SEX: Male

DAY ON TEST: 703

DOSE: .4 G/KG 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 - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lung	Nose	Parathyroid Gland	Pituitary Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Stomach - Forestomach	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

**MISSING**

Mammary Gland

**OBSERVATIONS**

Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite	Minimal
Islets, Pancreatic		Adenoma	
Note: ADENOMA	TGLs = 7-9		
Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
		Fatty Change	Focal, Minimal
	Bile Duct	Hyperplasia	Mild
Lymph Node	Mediastinal	Angiectasis	Mild
	Mesenteric	Angiectasis	Mild
	Mesenteric	Infiltration Cellular	Histiocyte, Mild
[ Angiectasis TGLS = 2-2 ]			
Pancreas	Acinus	Hyperplasia	Mild
Note: [ HYPERPLASIA ]	TGLs = 6-7		
Skin	Subcut Tiss	Sarcoma	
Note: [ SARCOMA ]	TGLs = 9-13+13.1		
Note: THIS NEOPLASM HAS FEATURES OF A VASCULAR TUMOR IN AREAS			
Spleen		Depletion Lymphoid	Mild

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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**ANIMAL ID:** 119

**TRT#:** 4  
**DOSE:** .4 G/KG HM

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

**DAY ON TEST:** 703  
**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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

Glandular  
Bilateral, Interstit Cell

Hematopoietic Cell Proliferation  
Mineralization  
Adenoma

Minimal  
Mild

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 120

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 735

**DOSE:** .4 G/KG HM

**DISP:** Terminal Sacrifice

**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	Pancreas
Parathyroid Gland	Pituitary Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

**MISSING**

Mammary Gland

**OBSERVATIONS**

Heart		Cardiomyopathy	Mild
Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
Lung	Alveolar Epith	Hyperplasia	Minimal
Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Mild
Nose		Inflammation	Chronic Active, Mild
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	

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

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 121

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 704

**DOSE:** .4 G/KG HM

**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
Lung	Nose	Parathyroid Gland	Preputial Gland
Prostate	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

**MISSING**

Epididymis	Lymph Node - Mesenteric	Mammary Gland
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**OBSERVATIONS**

Eye	Retina	Atrophy	Mild
	Lens	Cataract	Mild
[ Atrophy TGLS = 1-13 ]			
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Adenoma	
		Carcinoma	
Note: A FEW CELLS IN LYMPHATICS, BLOOD VESSELS, AND IN CAPSULE			
Note: CARCINOMA TGLs = 11-9			
Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Moderate
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Necrosis	Minimal
Lymph Node	Mediastinal	Infiltration Cellular	Histiocyte, Mild
	Renal	Infiltration Cellular	Histiocyte, Moderate
Note: INFILTRAT CELL TGLs = 13-16,14-16			
Mesentery		Mesothelioma Malignant	
Note: [ MESOTHELIO MAL ] TGLs = 10-14			
Pancreas	Acinus	Atrophy	Mild
		Mesothelioma Malignant	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 121	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 704
	<b>DOSE:</b> .4 G/KG HM	<b>DISP:</b> Moribund	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Pituitary Gland	Pars Distalis	Adenoma	
Salivary Glands	Duct	Metaplasia	Squamous, Minimal
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 9-3			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
	Interstit Cell	Hyperplasia	Minimal
	Tunic	Mesothelioma Malignant	
Note: ADENOMA TGLs = 7-6			
Note: [ MESOTHELIO MAL ] TGLs = 6-6			
Thyroid Gland	C Cell	Adenoma	
Note: ADENOMA TGLs = 4-8			
Note: A FEW SPINDLE-SHAPED CELLS			

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 122

TRT#: 4

SEX: Male

DAY ON TEST: 713

DOSE: .4 G/KG HM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Islets, Pancreatic	Lung	Pancreas
Parathyroid Gland	Pituitary Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Skeletal Muscle	Skin
Thymus	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
	Cortex	Vacuolization Cytoplasmic	Moderate
Note: VACUOLIZ CYTO TGLs = 12-8			
Heart		Cardiomyopathy	Mild
Intestine Large	Cecum	Inflammation	Chronic Active, Mild
Intestine Small	Jejunum	Inflammation	Chronic Active, Mild
	Jejunum	Leiomyoma	
Note: [ LEIOMYOMA ] TGLs = 9-7			
Kidney	Papilla	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	
		Fatty Change	Diffuse, Mild
Lymph Node	Mediastinal	Angiectasis	Mild
	Mesenteric, Renal	Angiectasis	Moderate
	Renal	Infiltration Cellular	Histiocyte, Moderate
Note: INFILTRAT CELL TGLs = 17-15,18-15			
Note: ANGIECTASIS TGLs = 4-2			
[ Angiectasis TGLS = 15-8 ]			
Mesentery	Fat	Inflammation	Chronic Active, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 122

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 713

**DOSE:** .4 G/KG HM

**DISP:** Moribund

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: THIS MASS COMPRISES OF LARGE ADIPOCYTES, A FEW LEUCOCYTES,

Note: INFLAMMATION TGLs = 8-8

Note: AND HISTIOCYTES. MILD CONGESTION

Nose		Inflammation	Chronic Active, Moderate
Spleen		Depletion Lymphoid	Moderate
		Infiltration Cellular	Histiocyte, Moderate
Note: DEPLET LYMPH	TGLs = 10-3		
Stomach	Forestomach	Acanthosis	Minimal
	Glandular	Necrosis	Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
[ Atrophy TGLS = 6-6 ]			
Thyroid Gland	C Cell	Adenoma	
Note: FOLLICULAR CELLS APPEAR HYPERTROPHIED			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 123

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** .4 G/KG HM

**DISP:** Terminal Sacrifice

**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
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

**OBSERVATIONS**

Adrenal Gland	Medulla	Hyperplasia	Mild
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Blood		Leukemia Mononuclear	
Heart		Cardiomyopathy	Mild
Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC			
TGLs = 4-1+2			
Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Minimal
	Renal	Infiltration Cellular	Histiocyte, Moderate
Note: INFILTRAT CELL			
TGLs = 9-14			
Skin		Cyst Epithelial Inclusion	
		Hyperkeratosis	Moderate
		Hyperplasia	Basal Cell, Minimal
Note: HYPERKERATOSIS			
TGLs = 1-13			
Spleen		Fibrosis	Mild
		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

**ANIMAL ID:** 123

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** .4 G/KG HM

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

[ Fibrosis TGLS = 6-3 ]

[ Leukemia Mononuclear TGLS = 5-3 ]

Testes

Bilateral, Interstit Cell

Adenoma

Note: ADENOMA TGLs = 3-6

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 124

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 704

**DOSE:** .4 G/KG HM

**DISP:** Moribund

**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	Nose	Pancreas
Parathyroid Gland	Preputial Gland	Prostate	Seminal Vesicle
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

**MISSING**

Salivary Glands

**OBSERVATIONS**

Adrenal Gland	Medulla	Hyperplasia	Minimal
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Epididymis		Spermatocoele	Mild
Note: SPERMATOCELE	TGLs = 5-6		
Eye	Lens	Cataract	Mild
[ Cataract TGLS = 1-15 ]			
Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Leukemia Mononuclear	
	Papilla	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	
		Fatty Change	Focal, Minimal
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 12-3		
Lung		Leukemia Mononuclear	
Lymph Node	Mesenteric	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 10-8		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 124	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 704
	<b>DOSE:</b> .4 G/KG HM	<b>DISP:</b> Moribund	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Mammary Gland		Galactocele	
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
Note: ADENOMA	TGLs = 14-8		
Skin		Hyperkeratosis	Marked
Note: ONLY DESQUAMATED MATERIAL			
[ Hyperkeratosis TGLS = 3-13 ]			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 9-3		
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
	Interstit Cell	Hyperplasia	Minimal
		Leukemia Mononuclear	
Note: ADENOMA	TGLs = 7-6		
Note: ATROPHY	TGLs = 6-6		
Thymus		Leukemia Mononuclear	

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 125

TRT#: 4

SEX: Male

DAY ON TEST: 499

DOSE: .4 G/KG HM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Esophagus		Hyperkeratosis	Mild
Note: HYPERKERATOSIS	TGLs = 7-8		
Heart		Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF	TGLs = 4-2+10,5-2+10		
Kidney		Congestion	Mild
	Papilla	Mineralization	Minimal
	Renal Tubule	Nephropathy	Minimal
Note: CONGESTION	TGLs = 9-4	Pigmentation	Minimal
Liver		Fatty Change	Focal, Mild
		Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF	TGLs = 10-3		
Lung		Edema	Mild
		Infiltration Cellular	Histiocyte, Mild
		Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF	TGLs = 6-1+2		
Lymph Node	Mediastinal	Lymphoma Malignant Undifferentiated Cell Type	
Nose			
Note: BLOOD AND DEBRIS IN THE NASAL CAVITY			
Skeletal Muscle		Lymphoma Malignant Undifferentiated Cell Type	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 125	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 499
	<b>DOSE:</b> .4 G/KG HM	<b>DISP:</b> Moribund	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Spleen		Hematopoietic Cell Proliferation	Mild
Stomach	Forestomach	Necrosis	Minimal
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
Note: ADENOMA	TGLs = 1-6		
Thymus		Lymphoma Malignant Undifferentiated Cell Type	

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PRIMARY CAUSE OF DEATH

-

Animal Note: THIS IS CALLED AS UNDIFFERENTIATED LYMPHOMA  
Animal Note: BECAUSE OF LARGE CYTOPLASMIC VOLUME. SPLEEN  
Animal Note: IS NOT INVOLVED

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 126

TRT#: 4

SEX: Male

DAY ON TEST: 735

DOSE: .4 G/KG HM

DISP: Terminal Sacrifice

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
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Bilateral, Medulla	Pheochromocytoma Benign	
Note: PHEOCHROM BGN TGLs = 8-8			
Blood		Leukemia Mononuclear	
Heart		Cardiomyopathy	Mild
		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
Intest Large			
Note: MINERALIZATION MINIMAL TO MILD MUCOSA, MUSCULARIS.			
Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Mild
Note: A FEW CELLS WITH BIZARRE NUCLEI			
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Alveolar/Bronchiolar Adenoma	
		Leukemia Mononuclear	
	Pleura	Mesothelioma Malignant	
Note: [ ALV BRON ADEN ] TGLs = 5-1+2			
Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 6-3 ]			
Stomach	Forestomach	Acanthosis	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 126

**TRT#:** 4  
**DOSE:** .4 G/KG HM

**SEX:** Male  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 735  
**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

	Forestomach	Hyperkeratosis	Minimal
	Forestomach	Inflammation	Chronic Active, Mild
Note: ACANTHOSIS Testes	TGLs = 10-7		
	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA Thyroid Gland	TGLs = 2-6		
	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 127

TRT#: 4

SEX: Male

DAY ON TEST: 735

DOSE: .4 G/KG HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Blood

Bone

Bone Marrow

Brain

Epididymis

Esophagus

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Nose

Parathyroid Gland

Pituitary Gland

Preputial Gland

Prostate

Salivary Glands

Seminal Vesicle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Trachea

Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Kidney

Nephropathy

Mild

Renal Tubule

Pigmentation

Mild

Liver

Basophilic Focus

Bile Duct

Hyperplasia

Mild

Lung

Infiltration Cellular

Histiocyte, Minimal

Lymph Node

Mesenteric

Infiltration Cellular

Histiocyte, Mild

Pancreas

Acinus

Hyperplasia

Mild

Testes

Bilateral, Interstit Cell

Adenoma

Seminif Tub

Atrophy

Mild

Note: ADENOMA TGLs = 1-6

Thyroid Gland

C Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 128

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 735

**DOSE:** .4 G/KG HM

**DISP:** Terminal Sacrifice

**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 - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Preputial Gland
Prostate	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

**MISSING**

Mammary Gland

**OBSERVATIONS**

Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite	Minimal
Kidney	Papilla	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
	Renal Tubule	Nephropathy	Mild
Liver		Pigmentation	Mild
		Basophilic Focus	
		Eosinophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN	TGLs = 2-1		
Salivary Glands	Duct	Metaplasia	Squamous, Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
Note: ADENOMA	TGLs = 1-6		
Thyroid Gland	C Cell	Adenoma	

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 129

TRT#: 4

SEX: Male

DAY ON TEST: 735

DOSE: .4 G/KG 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	Lung
Lymph Node - Mesenteric	Mammary Gland	Nose	Parathyroid Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Kidney		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
Pancreas	Acinus	Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
	Interstit Cell	Hyperplasia	Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 130

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 574

**DOSE:** .4 G/KG 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	Liver	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Trachea
Urinary Bladder			

**OBSERVATIONS**

Heart		Cardiomyopathy	Mild
Kidney	Papilla	Mineralization	Mild
		Nephropathy	Moderate
	Renal Tubule	Pigmentation	Minimal
Lung		Infiltration Cellular	Histiocyte, Minimal
Note: MUCINOUS MATERIAL AND A FEW INFLAMMATORY CELLS IN			
Note: SOME BRONCHIOLES			
Mammary Gland		Galactocele	
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
Note: ADENOMA	TGLs = 3-8		
Preputial Gland		Adenoma	
Note: ADENOMA	TGLs = 2-10.1		
Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	C Cell	Adenoma	

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 131

TRT#: 4

SEX: Male

DAY ON TEST: 690

DOSE: .4 G/KG HM

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Epididymis	Esophagus	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Trachea	

MISSING

Mammary Gland

AUTO PRECLUDES DIAG.

Bone Marrow	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mesenteric	Nose	Pancreas	Spleen
Stomach - Glandular	Thymus	Thyroid Gland	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Brain		Leukemia Mononuclear	
Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
	Papilla	Mineralization	Mild
		Nephropathy	Mild
Liver		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 4-1+2 ]			
Preputial Gland		Adenoma	
Note: ADENOMA	TGLs = 3-10		
Testes	Bilateral, Interstit Cell	Adenoma	
		Leukemia Mononuclear	
Note: ADENOMA	TGLs = 5-6		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 132

TRT#: 4

SEX: Male

DAY ON TEST: 735

DOSE: .4 G/KG 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 - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Intestine Small - Ileum	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
Heart		Cardiomyopathy	Mild
Kidney	Papilla	Mineralization	Minimal
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Mild
Liver		Basophilic Focus	
		Fatty Change	Focal, Mild
	Bile Duct	Hyperplasia	Mild
Spleen		Hematopoietic Cell Proliferation	Minimal
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate

Note: ADENOMA TGLs = 1-6

Note: ATROPHY TGLs = 2-6

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 133      **TRT#:** 4      **SEX:** Male      **DAY ON TEST:** 735  
**DOSE:** .4 G/KG HM      **DISP:** Terminal Sacrifice      **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
Lymph Node - Mesenteric	Pancreas	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

**MISSING**

Mammary Gland	Parathyroid Gland
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**OBSERVATIONS**

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
Nose		Inflammation	Chronic Active, Mild
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	Pars Intermed	Hyperplasia	Mild
Note: MULTIPLE ADENOMAS (3) IN THE ANTERIOR LOBE			
Skin		Basal Cell Carcinoma	
Note: BASAL CEL CARC TGLs = 1-13			
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: ADENOMA TGLs = 2-6			
Thyroid Gland	C Cell	Adenoma	

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 134

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 735

**DOSE:** .4 G/KG 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 Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Pancreas	Parathyroid Gland
Preputial Gland	Prostate	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

**MISSING**

Mammary Gland

**OBSERVATIONS**

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Intestine Large	Rectum	Parasite	Mild
Kidney	Papilla	Mineralization	Minimal
	Renal Tubule	Mineralization	Minimal
		Nephropathy	Moderate
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
Lymph Node	Mesenteric	Angiectasis	Mild
Note: ANGIECTASIS	TGLs = 3-8		
Nose		Inflammation	Chronic Active, Mild
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
Note: ADENOMA	TGLs = 5-8		
Salivary Glands	Duct	Metaplasia	Squamous, Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
Note: ADENOMA	TGLs = 1-6,2-6		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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**ANIMAL ID:** 134

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 735

**DOSE:** .4 G/KG HM

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 135

TRT#: 4

SEX: Male

DAY ON TEST: 735

DOSE: .4 G/KG HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Mammary Gland  
Pituitary Gland  
Stomach - Forestomach  
Urinary Bladder

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Prostate  
Stomach - Glandular

Bone  
Esophagus  
Intestine Small - Duodenum  
Lung  
Pancreas  
Seminal Vesicle  
Thymus

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

OBSERVATIONS

Heart  
Kidney  
  
Liver  
  
Preputial Gland  
Note: ADENOMA TGLs = 1-10.1  
Salivary Glands  
Spleen  
  
Note: PROBABLE EARLY LEUKEMIA  
Note: PIGMENT TGLs = 5-3  
Testes  
  
Note: ADENOMA TGLs = 2-6,3-6  
Thyroid Gland

Renal Tubule  
  
  
  
  
Duct  
  
  
  
  
Bilateral, Interstit Cell  
Seminif Tub  
Interstit Cell  
  
C Cell

Cardiomyopathy  
Nephropathy  
Pigmentation  
Basophilic Focus  
Fatty Change  
Adenoma  
  
Metaplasia  
Hematopoietic Cell Proliferation  
Pigmentation  
  
Adenoma  
Atrophy  
Hyperplasia  
  
Adenoma

Mild  
Mild  
Minimal  
  
Focal, Minimal  
  
Minimal  
Mild  
Mild  
  
Mild  
Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 136

TRT#: 4

SEX: Male

DAY ON TEST: 336

DOSE: .4 G/KG HM

DISP: Moribund

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	Liver
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Congestion	Mild
	Renal Tubule	Pigmentation	Minimal
Lung		Inflammation	Chronic Active, Minimal
Lymph Node			
Note: MAST CELLS INCREASED IN MESENTERIC AND PANCREATIC NODES			
Spleen		Infiltration Cellular	Histiocyte, Mild
Testes	Interstit Cell	Hyperplasia	Mild
Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 137

TRT#: 4

SEX: Male

DAY ON TEST: 700

DOSE: .4 G/KG HM

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	Lung	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
		Fatty Change	Focal, Mild
	Bile Duct	Hyperplasia	Mild
Lymph Node	Renal	Angiectasis	Moderate
	Lumbar	Hemorrhage	Mild
	Lumbar	Infiltration Cellular	Histiocyte, Mild
	Mesenteric	Infiltration Cellular	Histiocyte, Mild
	Renal	Infiltration Cellular	Histiocyte, Moderate

Note: HEMORRHAGE TGLs = 11-13

Note: INFILTRAT CELL TGLs = 7-8

Note: ANGIECTASIS TGLs = 10-14

Mammary GI

Note: GOLDEN BROWN PIGMENT IN ACINAR CELLS

Skin

Necrosis

Moderate

Subcut Tiss

Sarcoma

Note: CELLS ARE TWO NESTS OF ROUND CELLS WITH

Note: GLASSY NUCLEI.

Note: IN THIS MASS, CONTIGUOUS WITH THE FUSIFORM

Note: [ SARCOMA ] TGLs = 1-15+15.1

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 137	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 700
	<b>DOSE:</b> .4 G/KG HM	<b>DISP:</b> Dead	<b>HISTO:</b>

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: NECROSIS	TGLs = 2-14		
Note: A RIM OF CYTOPLASM AND HYPERCHROMATIC OR			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL	TGLs = 8-3		
Stomach	Forestomach	Acanthosis	Mild
	Forestomach	Hyperkeratosis	Mild
[ Hyperkeratosis TGLS = 13-7 ]			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA	TGLs = 5-6		
Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 138

TRT#: 4

SEX: Male

DAY ON TEST: 735

DOSE: .4 G/KG 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	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland Note: PHEOCHROM BGN TGLs = 4-8	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
Lung		Hemorrhage	Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
Testes Note: ADENOMA TGLs = 1-6,2-6	Bilateral, Interstit Cell	Adenoma	
Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 139

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: .4 G/KG HM

DISP: Moribund

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 - Mesenteric	Nose
Pancreas	Parathyroid Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
Brain			
Note: VENTRICLES DISTENDED			
Epididymis		Fibrosis	Mild
		Inflammation	Chronic Active, Mild
		Spermatocele	
Heart		Cardiomyopathy	Mild
Kidney	Papilla	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
Note: DEGENERATION AND NECROSIS OF HEPATOCYTES AROUND Note: CENTRAL VEIN. MINIMAL INFLAMMATORY REACTION.			
Mammary Gland		Galactocele	
	Acinus	Hyperplasia	Moderate
Note: GALACTOCELE TGLs = 1-10			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Marked
Note: ADENOMA TGLs = 3-8			
Spleen		Hematopoietic Cell Proliferation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 139	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> .4 G/KG HM	<b>DISP:</b> Moribund	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Testes	Seminif Tub	Atrophy	Moderate
	Interstit Cell	Hyperplasia	Mild
Note: ATROPHY      TGLs = 2-6			
Thyroid Gland	C Cell	Hyperplasia	Minimal

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PRIMARY CAUSE OF DEATH      -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 140

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 735

**DOSE:** .4 G/KG HM

**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	Parathyroid Gland	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

**MISSING**

Mammary Gland

**OBSERVATIONS**

Adrenal Gland	Medulla	Hyperplasia	Mild
Brain	Cerebellum	Hemorrhage	Minimal
Heart		Cardiomyopathy	Minimal
Note: A FEW ANITSCHKOW MYOCYTES AND ROUND CELLS			
Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
		Fatty Change	Focal, Minimal
	Bile Duct	Hyperplasia	Mild
Lung		Atelectasis	Mild
		Congestion	Mild
Note: INCREASE OF PERIBRONCHIOLAR LYMPHOCYTES			
Lymph Node	Mediastinal	Infiltration Cellular	Histiocyte, Mild
	Mesenteric	Infiltration Cellular	Histiocyte, Mild
Nose		Inflammation	Chronic Active, Moderate
Note: AND THE LESION IS PROBABLY FOREIGN BODY RHINITIS.			
Note: PLANT MATERIAL IN NASAL CAVITY SUGGESTS REGURGITATION			
Pancreas	Acinus	Hyperplasia	Mild
Spleen		Hematopoietic Cell Proliferation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 140	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 735
	<b>DOSE:</b> .4 G/KG HM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Mild
Note: ADENOMA      TGLs = 2-6,3-6			
Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 141

TRT#: 4

SEX: Male

DAY ON TEST: 652

DOSE: .4 G/KG HM

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	Lymph Node - Mesenteric	Pancreas
Parathyroid Gland	Pituitary Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
Lung		Edema	Mild
		Hemorrhage	Minimal
Note: PLANT MATERIAL ON THE PLEURAL SURFACE			
Nose		Inflammation	Chronic Active, Mild
Stomach	Forestomach	Acanthosis	Moderate
	Forestomach	Hyperkeratosis	Moderate
Note: ACANTHOSIS TGLs = 4-7			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
	Tunic	Mesothelioma Malignant	
Thyroid Gland		Hemorrhage	Mild
	C Cell	Hyperplasia	Mild
Note: HEMORRHAGE TGLs = 1-8			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 142

TRT#: 4

SEX: Male

DAY ON TEST: 372

DOSE: .4 G/KG HM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

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

Bone  
Eye  
Intestine Small - Duodenum  
Lymph Node - Mesenteric  
Pituitary Gland  
Seminal Vesicle  
Thymus

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

MISSING

Parathyroid Gland

OBSERVATIONS

Brain  
Note: THIS NEOPLASM HAS SOME FEATURES OF AN EPENDYMOMA

Astrocytoma Malignant

Heart  
Kidney

Cardiomyopathy  
Mineralization

Mild  
Minimal

Pelvis  
Renal Tubule

Nephropathy  
Pigmentation  
Fatty Change  
Infiltration Cellular

Minimal  
Minimal  
Focal, Minimal  
Histiocyte, Minimal

Liver  
Lung  
Note: MUCINOUS MATERIAL IN A FEW BRONCHIOLES

Pituitary Gland  
Note: MANY DEGRANULATED CELLS

Spleen  
Testes

Hematopoietic Cell Proliferation  
Hyperplasia

Mild  
Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 143

TRT#: 4

DOSE: .4 G/KG HM

SEX: Male

DISP: Moribund

DAY ON TEST: 660

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

Adrenal Gland - Medulla  
Esophagus  
Intestine Small - Duodenum  
Lung  
Parathyroid Gland  
Skin  
Thyroid Gland

Bone  
Intestine Large - Cecum  
Intestine Small - Ileum  
Mammary Gland  
Prostate  
Stomach - Forestomach  
Trachea

Bone Marrow  
Intestine Large - Colon  
Intestine Small - Jejunum  
Nose  
Salivary Glands  
Stomach - Glandular

MISSING

Urinary Bladder

OBSERVATIONS

Brain		Granular Cell Tumor Benign	
Note: PAS +VE GRANULES			
Note: LARGE CELLS WITH ABUNDANT CYTOPLASM AND			
Note: GRA CL TUM BGN TGLs = 11-5			
Heart		Cardiomyopathy	Mild
Kidney	Cortex	Mineralization	Minimal
	Papilla	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
		Fatty Change	Focal, Minimal
	Bile Duct	Hyperplasia	Mild
Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Minimal
	Renal	Infiltration Cellular	Histiocyte, Mild
Note: INFILTRAT CELL TGLs = 6-8.1			
Note: INFILTRAT CELL TGLs = 8-13			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
Note: ADENOMA TGLs = 10-8			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 143

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 660

**DOSE:** .4 G/KG HM

**DISP:** Moribund

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Preputial Gland		Necrosis	Moderate
Note: NECROSIS	TGLs = 2-10		
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA	TGLs = 3-6,4-6		
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 144

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 707

**DOSE:** .4 G/KG 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	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Preputial Gland	Prostate	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**OBSERVATIONS**

Adrenal Gland	Medulla	Hyperplasia	Minimal
Heart		Cardiomyopathy	Mild
Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
Lung		Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Minimal
Lymph Node	Mesenteric	Angiectasis	Mild
	Mesenteric	Infiltration Cellular	Histiocyte, Mild
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
Note: ADENOMA	TGLs = 4-8		
Salivary Glands	Duct	Metaplasia	Squamous, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
Note: ADENOMA	TGLs = 1-6		

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 145

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 735

**DOSE:** .4 G/KG HM

**DISP:** Terminal Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Moderate
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
Lymph Node	Mediastinal	Angiectasis	Mild
	Mediastinal	Infiltration Cellular	Histiocyte, Mild
	Mesenteric	Infiltration Cellular	Histiocyte, Mild
	Mandibular	Necrosis	Mild
Note: ANGIECTASIS	TGLs = 5-2		
Note: NECROSIS	TGLs = 4-9		
Note: INFILTRAT CELL	TGLs = 9-8		
Skin		Fibrosis	Mild
		Hyperkeratosis	Mild
		Inflammation	Acute, Marked
		Necrosis	Moderate
Note: INFLAMMATION	TGLs = 1-13,2-14		
Note: OF THE EAR CANAL			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 145	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 735
	<b>DOSE:</b> .4 G/KG HM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: TGL#1 AND TGL#2 MAY BE THE ULCERATED PART

Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Mild

Note: ADENOMA TGLs = 6-6

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PRIMARY CAUSE OF DEATH

-

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Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 146

TRT#: 4

SEX: Male

DAY ON TEST: 580

DOSE: .4 G/KG 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	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	Hyperplasia	Minimal
Heart		Cardiomyopathy	Mild
Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Alveolar/Bronchiolar Adenoma	
		Leukemia Mononuclear	
Note: ALV BRON ADEN TGLs = 3-1			
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
[ Hematopoietic Cell Proliferation TGLS = 2-3 ]			
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 147

TRT#: 4

SEX: Male

DAY ON TEST: 513

DOSE: .4 G/KG HM

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Islets, Pancreatic  
Preputial Gland  
Skin  
Urinary Bladder

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Rectum  
Nose  
Prostate  
Stomach - Glandular

Bone  
Eye  
Intestine Small - Duodenum  
Pancreas  
Salivary Glands  
Thyroid Gland

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

MISSING

Esophagus  
Mammary Gland

AUTO PRECLUDES DIAG.

Intestine Small - Jejunum

OBSERVATIONS

Heart		Cardiomyopathy Leukemia Mononuclear	Mild
Kidney	Papilla	Mineralization Nephropathy	Minimal Minimal
	Renal Tubule	Pigmentation Fatty Change	Minimal Focal, Minimal
Liver	Bile Duct	Hyperplasia Leukemia Mononuclear	Mild
	Note: LEUKEMIA MONUC TGLs = 7-3		
Lung		Hemorrhage Leukemia Mononuclear	Minimal
Lymph Node	Mediastinal	Depletion Lymphoid	Mild
	Mesenteric	Depletion Lymphoid	Mild
	Renal	Infiltration Cellular	Histiocyte, Minimal
	Mesenteric	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-9			
Note: INFILTRAT CELL TGLs = 8-10			
Note: DEPLET LYMPH TGLs = 2-2			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 147

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 513

**DOSE:** .4 G/KG HM

**DISP:** Dead

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Pituitary Gland Note: ADENOMA      TGLs = 9-8	Pars Distalis	Adenoma	
Spleen		Hematopoietic Cell Proliferation Leukemia Mononuclear	Mild
Stomach	Forestomach	Acanthosis	Minimal
	Forestomach	Hyperkeratosis	Minimal
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Thymus		Depletion Lymphoid	Marked

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 148

TRT#: 4

SEX: Male

DAY ON TEST: 670

DOSE: .4 G/KG 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	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Preputial Gland	Seminal Vesicle
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
Lung		Hemorrhage	Minimal
Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Mild
Note: INFILTRAT CELL TGLs = 7-8			
Prostate	Epithelium	Hyperplasia	Minimal
Salivary Glands	Duct	Metaplasia	Squamous, Mild
Skin	Subcut Tiss	Fibroma	
Note: [ FIBROMA ] TGLs = 1-13+13.1			
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
	Interstit Cell	Hyperplasia	Minimal
Note: ADENOMA TGLs = 3-6,4-6			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 149

TRT#: 4

SEX: Male

DAY ON TEST: 735

DOSE: .4 G/KG 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 - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mesenteric	Mammary Gland	Nose
Parathyroid Gland	Prostate	Salivary Glands	Seminal Vesicle
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Moderate
Intestine Large	Colon	Parasite	Mild
Kidney	Papilla	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
Lung		Congestion	Mild
Note: CONGESTION	TGLs = 5-1+2		
Pancreas	Acinus	Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
Preputial Gland		Necrosis	Mild
Skin		Abscess	Marked
Note: EPITHELIUM NOT DISCERNIBLE			
Note: ABSCESS	TGLs = 1-13		
Spleen		Hematopoietic Cell Proliferation	Minimal
Note: PIGMENT AND CONGESTION			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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**ANIMAL ID:** 149

**TRT#:** 4  
**DOSE:** .4 G/KG HM

**SEX:** Male  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 735  
**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Mild
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Note: ADENOMA TGLs = 2-6,3-6

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 150

TRT#: 4

SEX: Male

DAY ON TEST: 562

DOSE: .4 G/KG HM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mesenteric	Thymus
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
	Medulla	Pheochromocytoma Benign	
Note: PHEOCHROM BGN TGLs = 10-8			
Eye	Lens	Cataract	Mild
Note: CATARACT TGLs = 2-7.1			
Heart		Cardiomyopathy	Mild
Intestine Large	Cecum, Lymphoid Nodul	Hyperplasia	Mild
Intestine Small	Duodenum	Adenocarcinoma	
Note: MUCINOUS MATERIAL AND NUMEROUS NEUTRIFILS.			
Note: [ ADENOCARC ] TGLs = 8-7.1			
Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
Note: ANOM HEPAT LOB TGLs = 11-3			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 15-8			
Spleen		Hematopoietic Cell Proliferation	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 150	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 562
	<b>DOSE:</b> .4 G/KG HM	<b>DISP:</b> Moribund	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: HEMA CELL PROL TGLs = 9-3		Hemorrhage	Mild
Stomach	Forestomach	Necrosis	Mild
Note: NECROSIS TGLs = 16-8			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA TGLs = 6-6			
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 1

TRT#: 2

SEX: Female

DAY ON TEST: 692

DOSE: VEHICLE FEMALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
	Papilla	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Fatty Change	Diffuse, Mild
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 9-1+2		
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 16-3		
Note: LEUKEMIA MONUC	TGLs = 11-9		
Note: LEUKEMIA MONUC	TGLs = 8-2		
Mammary Gland	Acinus	Hyperplasia	Mild
Note: HYPERPLASIA	TGLs = 3-14		
Mesentery	Fat	Necrosis	Minimal
	Artery	Pigmentation	Mild

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

ANIMAL ID: 1	TRT#: 2	SEX: Female	DAY ON TEST: 692
DOSE: VEHICLE FEMALE		DISP: Moribund	HISTO:
ORGAN AND ACCOUNTABLE SITE STATUS			
Note: THROMBUS Note: NECROSIS	TGLs = 13-13 TGLs = 12-6	Artery	Thrombosis Mild
Ovary			Leukemia Mononuclear
Pancreas		Artery	Pigmentation Mild
Pituitary Gland		Pars Distalis	Angiectasis Mild
		Pars Distalis	Hyperplasia Mild
Note: ANGIECTASIS	TGLs = 18-8		
Skeletal Muscle		Artery	Pigmentation Mild
		Artery	Thrombosis Moderate
Note: THROMBUS	TGLs = 7-11		
Spleen			Hematopoietic Cell Proliferation Mild
			Leukemia Mononuclear Moderate
			Necrosis
[ Hematopoietic Cell Proliferation TGLS = 4-3.1 ]			
[ Leukemia Mononuclear TGLS = 5-3.1 ]			
Stomach		Forestomach	Acanthosis Minimal
		Forestomach	Hyperkeratosis Mild
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 2                      **TRT#:** 2                      **SEX:** Female                      **DAY ON TEST:** 735  
**DOSE:** VEHICLE FEMALE                      **DISP:** Terminal Sacrifice                      **HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Heart		Cardiomyopathy	Mild
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Angiectasis	Mild
		Basophilic Focus	
Lung		Infiltration Cellular	Histiocyte, Minimal
Mammary Gland		Fibroadenoma	Multiple
		Galactocele	
Note: FIBROADENOMA    TGLs = 1-13,2-14			
Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild
Note: [ HYPERPLASIA ]    TGLs = 4-8			
Salivary Glands	Duct	Metaplasia	Squamous, Minimal
Spleen		Hematopoietic Cell Proliferation	Mild

**PRIMARY CAUSE OF DEATH**                      -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 3                      **TRT#:** 2                      **SEX:** Female                      **DAY ON TEST:** 722  
**DOSE:** VEHICLE FEMALE                      **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	Lung
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

**OBSERVATIONS**

Kidney		Atrophy	Mild
		Hydronephrosis	Mild
	Pelvis	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Note: ATROPHY      TGLs = 7-4			
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[ Hyperplasia TGLS = 8-3 ]			
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: FIBROADENOMA      TGLs = 2-13+13.1			
Ovary			
Note: MILD HYPERPLASIA OF THECA CELLS			
Salivary Glands	Duct	Metaplasia	Squamous, Mild
Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 4-3.1 ]			
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 4

TRT#: 2

SEX: Female

DAY ON TEST: 510

DOSE: VEHICLE FEMALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Clitoral Gland	Ear
Esophagus	Eye	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Islets, Pancreatic	Nose
Pancreas	Salivary Glands	Skin	Stomach - Forestomach
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 13-8		
Brain		Leukemia Mononuclear	
Heart		Leukemia Mononuclear	
Intestine Small	Ileum, Lymphoid Nodul	Hyperplasia	Minimal
	Jejunum, Lymphoid Nodul	Hyperplasia	Mild
Note: HYPERPLASIA	TGLs = 11-7		
Kidney		Leukemia Mononuclear	
	Pelvis	Mineralization	Minimal
Note: LEUKEMIA MONUC	TGLs = 14-4		
Liver		Fatty Change	Focal, Minimal
		Leukemia Mononuclear	
[ Fatty Change TGLS = 15-3 ]			
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 6-1+2		
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 5-2,12-9		
Mammary Gland		Galactocele	
Note: GALACTOCELE	TGLs = 3-10		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 4	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 510
	<b>DOSE:</b> VEHICLE FEMALE	<b>DISP:</b> Moribund	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Ovary		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Note: [ HYPERPLASIA ] TGLs = 16-8			
Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 4-3 ]			
Stomach	Glandular	Leukemia Mononuclear	
Uterus	Bilateral	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 7-6			
Note: POLYP STROMAL TGLs = 8-6,9-6			
Note: MUCINOUS EPITHELIUM LINING VAGINA			

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PRIMARY CAUSE OF DEATH

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-

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

<b>ANIMAL ID:</b> 5	<b>TRT#:</b> 2 <b>DOSE:</b> VEHICLE FEMALE	<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

NORMAL

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

OBSERVATIONS

Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
Salivary Glands	Duct	Metaplasia	Squamous, Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	-
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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 6                      **TRT#:** 2                      **SEX:** Female                      **DAY ON TEST:** 735  
**DOSE:** VEHICLE FEMALE                      **DISP:** Terminal Sacrifice                      **HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Clitoral Gland	Parathyroid Gland	Thyroid Gland
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**OBSERVATIONS**

Intestine Large	Colon	Parasite	Minimal
Kidney	Papilla	Mineralization	Mild
	Pelvis	Mineralization	Minimal
		Nephropathy	Moderate
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: FIBROADENOMA    TGLs = 1-13			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
Note: ADENOMA        TGLs = 3-8			
Spleen		Hematopoietic Cell Proliferation	Mild
Tissue NOS		Abscess	Mild
		Mineralization	Mild

**PRIMARY CAUSE OF DEATH**                      -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 7                      **TRT#:** 2                      **SEX:** Female                      **DAY ON TEST:** 736  
**DOSE:** VEHICLE FEMALE                      **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 - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mesenteric
Nose	Parathyroid Gland	Salivary Glands	Skin
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

**MISSING**

Stomach - Forestomach

**OBSERVATIONS**

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Kidney	Papilla	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
Note: ANOM HEPAT LOB	TGLs = 3-3.1		
Lung	Mediastinum	Atypia Cellular	Moderate
Note: ATYPICAL CELLS	TGLs = 1-13,4-13		
Mammary Gland		Galactocele	
Ovary		Cyst	
Pancreas	Acinus	Hyperplasia	Moderate
Note: A FEW HEPATOCYTES IN AND AROUND SOME ISLETS			
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST	TGLs = 5-8		
Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 2-3		

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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**ANIMAL ID:** 7

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 736

**DOSE:** VEHICLE FEMALE

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Uterus

Note: LOOKS LIKE A POLYP

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

<b>ANIMAL ID:</b> 8	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 644
	<b>DOSE:</b> VEHICLE FEMALE	<b>DISP:</b> Moribund	<b>HISTO:</b>

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 - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Clitoral Gland	Intestine Large - Colon
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OBSERVATIONS

Bone Marrow		Hypoplasia	Moderate
Note: DEPLETION OF ERYTHROID CELLS MORE THAN THAT OF THE			
Note: MYELOID CELLS. MORE LIKE APLASTIC ANEMIA			
Heart		Cardiomyopathy	Mild
Kidney	Papilla	Mineralization	Mild
	Pelvis	Mineralization	Mild
		Nephropathy	Minimal
Liver	Renal Tubule	Pigmentation	Mild
		Basophilic Focus	
		Fatty Change	Diffuse, Mild
		Pigmentation	Mild
Note: PROBABLE LEUKEMIA IN LIVER AND LUNG			
Lymph Node	Pancreatic	Depletion Lymphoid	Mild
	Pancreatic	Hematopoietic Cell Proliferation	Mild
Mammary Gland		Fibroadenoma	Multiple
		Galactocele	
	Note: FIBROADENOMA TGLs = 2-13,3-13.1		
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	Note: HYPERPLASIA TGLs = 9-8		
Spleen		Depletion Lymphoid	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 8	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 644
	<b>DOSE:</b> VEHICLE FEMALE	<b>DISP:</b> Moribund	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Fibrosis	Mild
Hematopoietic Cell Proliferation	Moderate
Infiltration Cellular	Histiocyte, Mild

Note: FIBROSIS TGLs = 10-3

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<b>PRIMARY CAUSE OF DEATH</b>	-
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Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 9

TRT#: 2

SEX: Female

DAY ON TEST: 635

DOSE: VEHICLE FEMALE

DISP: Moribund

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	Nose	Ovary
Pancreas	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Trachea	Urinary Bladder	Uterus

MISSING

Clitoral Gland	Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Medulla	Pheochromocytoma Benign	
Note: LEUKEMIA MONUC TGLs = 5-8			
Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
Islets, Pancreatic		Hyperplasia	Moderate
Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Fatty Change	Diffuse, Mild
		Leukemia Mononuclear	
		Necrosis	Minimal
Note: LEUKEMIA MONUC TGLs = 7-3			
Lung		Leukemia Mononuclear	
Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Mild
	Mediastinal	Leukemia Mononuclear	
Note: MAST CELLS INCREASED IN MESENTERIC NODE			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
Note: ADENOMA TGLs = 8-8			
Spleen		Hematopoietic Cell Proliferation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01

**Test Type:** CHRONIC

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Probenecid

**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 23:03:13

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

**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 9	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 635
	<b>DOSE:</b> VEHICLE FEMALE	<b>DISP:</b> Moribund	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Hematopoietic Cell Proliferation TGLS = 4-3 ]		Leukemia Mononuclear	
Thymus		Depletion Lymphoid	Mild
Thyroid Gland	C Cell	Adenoma	
Note: ADENOMA	TGLs = 3-8		

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

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 10

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: VEHICLE FEMALE

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 - Mesenteric	Mammary Gland	Nose	Ovary
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland

OBSERVATIONS

Heart		Cardiomyopathy	Moderate
Note: CARDIOMYOPATHY TGLs = 2-2			
Note: MYOLYSIS IN THE AFFECTED AREA			
Note: NUMEROUS ANITSCHKOW MYOCYTES			
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
		Mixed Cell Focus	
Liver		Hyperplasia	Mild
Pancreas	Acinus	Adenoma	
Pituitary Gland	Pars Distalis	Inflammation	Chronic Active, Minimal
Salivary Glands	Duct	Metaplasia	Squamous, Mild
	Duct	Hematopoietic Cell Proliferation	Mild
Spleen		Polyp Stromal	
Uterus			
Note: POLYP STROMAL TGLs = 1-6			
Note: ACELLULAR, BLOODY, NECROTIC MASS			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 11

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: VEHICLE FEMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	Brain	Clitoral Gland	Esophagus
Harderian Gland	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Nose	Ovary	Pancreas	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Parathyroid Gland

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Intestine Large	Rectum	Parasite	Minimal
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
		Fatty Change	Focal, Minimal
		Fatty Change	Focal, Mild
Note: [ FATTY CHANGE ] TGLs = 5-3			
Lymph Node	Renal	Angiectasis	Mild
	Mesenteric	Depletion Lymphoid	Mild
	Pancreatic	Infiltration Cellular	Histiocyte, Mild
	Renal	Infiltration Cellular	Histiocyte, Mild
Note: INFILTRAT CELL TGLs = 3-9			
Note: DEPLET LYMPH TGLs = 7-8			
Note: ANGIECTASIS TGLs = 6-13			
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: FIBROADENOMA TGLs = 1-14			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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**ANIMAL ID:** 11

**TRT#:** 2  
**DOSE:** VEHICLE FEMALE

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 735  
**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Spleen

Hematopoietic Cell Proliferation  
Hemorrhage

Mild  
Mild

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 12

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: VEHICLE FEMALE

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

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Blood		Leukemia Mononuclear	
Heart		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 7-3		
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-1+2		
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 6-8		
Note: LEUKEMIA MONUC	TGLs = 5-9		
Mammary Gland		Fibroadenoma	
		Galactocele	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 12	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 735
	<b>DOSE:</b> VEHICLE FEMALE	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: FIBROADENOMA TGLs = 2-13			
Pituitary Gland	Pars Distalis	Angiectasis	Mild
Note: ANGIECTASIS TGLs = 9-8			
Spleen		Hematopoietic Cell Proliferation Leukemia Mononuclear	Mild
[ Hematopoietic Cell Proliferation TGLS = 4-3 ]			
Thymus		Leukemia Mononuclear	

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 13

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: VEHICLE FEMALE

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	Lung	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Eye	Lens	Cataract	Mild
Harderian Gland		Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
		Pigmentation	Mild
Note: HYPERPLASIA TGLs = 6-14			
Heart		Cardiomyopathy	Mild
Kidney	Papilla	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
		Mixed Cell Focus	
Lymph Node	Renal	Angiectasis	Mild
	Renal	Infiltration Cellular	Histiocyte, Mild
Note: ANGIECTASIS TGLs = 5-4			
Mammary Gland		Galactocele	
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
Note: ADENOMA TGLs = 7-8			
Skin		Sarcoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 13	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 735
	<b>DOSE:</b> VEHICLE FEMALE	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: HAS THE FEATURES OF AN ANGIOFIBROMA

Note: [ SARCOMA ] TGLs = 1-13

Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 14

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: VEHICLE FEMALE

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	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

**MISSING**

Clitoral Gland

**OBSERVATIONS**

Adrenal Gland	Medulla	Hyperplasia	Minimal
Heart		Cardiomyopathy	Mild
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Angiectasis	Moderate
		Mixed Cell Focus	
Note: MORE LIKE PELIOSIS HEPATIS			
Note: ANGIECTASIS TGLs = 8-3			
Lung		Carcinoma	Metastatic (Thyroid Gland)
Note: CARCINOMA TGLs = 5-1+2			
Mammary Gland		Fibroadenoma	Multiple
		Galactocele	
Note: FIBROADENOMA TGLs = 1-13,3-14,2-15			
Pituitary Gland	Pars Distalis	Adenoma	
Salivary Glands	Duct	Inflammation	Chronic Active, Mild
	Duct	Metaplasia	Squamous, Mild
	Acinus	Necrosis	Minimal
Spleen		Depletion Lymphoid	Mild
		Hematopoietic Cell Proliferation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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**ANIMAL ID:** 14

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** VEHICLE FEMALE

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: DEPLET LYMPH TGLs = 6-3

Thyroid Gland

C Cell

Carcinoma

Note: CARCINOMA TGLs = 4-8.1

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 15      **TRT#:** 2      **SEX:** Female      **DAY ON TEST:** 735  
**DOSE:** VEHICLE FEMALE      **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
Lung	Lymph Node - Mesenteric	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

**MISSING**

Nose

**OBSERVATIONS**

Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Fatty Change	Focal, Minimal
		Mixed Cell Focus	
Mammary Gland		Fibroadenoma	Multiple
		Galactocele	
Note: FIBROADENOMA    TGLs = 1-13,2-14,3-15,4-16			
Ovary		Cyst	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA        TGLs = 6-8			
Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 16

TRT#: 2

SEX: Female

DAY ON TEST: 495

DOSE: VEHICLE FEMALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland			
Note: ONE NORMAL GLAND. OTHER MAY BE THE ONE WITH TUMOR			
Brain	Cerebrum	Necrosis	Mild
Kidney	Papilla	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Cyst	
		Pigmentation	Mild
		Sarcoma	Metastatic (Uncertain Primary Site)
Note: SARCOMA TGLs = 5-3			
Note: MORE INVASIVE THAN METSTATIC			
Lung		Embolus Tumor	
		Sarcoma	Metastatic (Uncertain Primary Site)
	Note: SARCOMA TGLs = 1-1+2		
Mesentery		Sarcoma	Metastatic (Uncertain Primary Site)
	Note: PRIMARY SITE MAY EITHER BE ADRENAL OR MESENTERY		
Pituitary Gland	Pars Distalis	Cyst	
Spleen		Hematopoietic Cell Proliferation	Moderate
	Note: HEMA CELL PROL TGLs = 3-3		
Thymus		Depletion Lymphoid	Moderate

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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**ANIMAL ID:** 16

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 495

**DOSE:** VEHICLE FEMALE

**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: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 17

TRT#: 2

SEX: Female

DAY ON TEST: 593

DOSE: VEHICLE FEMALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Ear	Esophagus	Eye
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Islets, Pancreatic	Lung	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Clitoral Gland	Intestine Large - Rectum	Intestine Small - Ileum	Intestine Small - Jejunum
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OBSERVATIONS

Kidney	Papilla	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
	Renal Tubule	Nephropathy	Mild
Liver		Pigmentation	Minimal
		Basophilic Focus	
		Basophilic Focus	Mild
		Fatty Change	Focal, Mild
Mammary Gland		Fibroadenoma	
		Galactocele	
	Note: FIBROADENOMA TGLs = 9-14+14.1		
	Note: GALACTOCELE TGLs = 5-10+13,8-10+13		
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	Note: MANY CELLS WITH BIZARRE NUCLEI AND INCLUSIONS.		
	Note: ADENOMA TGLs = 12-8		
	Note: THIS NEOPLASM IS MORE LIKE A CARCINOMA		
Spleen		Infiltration Cellular	Histiocyte, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 18	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 735
	<b>DOSE:</b> VEHICLE FEMALE	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

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**MISSING**

Clitoral Gland

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**OBSERVATIONS**

Heart		Cardiomyopathy	Mild
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Mammary Gland		Galactocele	
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
Note: ADENOMA	TGLs = 5-8		
Spleen		Leukemia Mononuclear	

[ Leukemia Mononuclear TGLS = 2-3 ]

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 19

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: VEHICLE FEMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Heart		Cardiomyopathy	Mild
Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
Lung		Hemorrhage	Minimal
Lymph Node	Mesenteric	Angiectasis	Mild
Note: ANGIECTASIS TGLs = 2-8			
Mammary Gland		Fibroadenoma	Multiple
		Galactocele	
Note: FIBROADENOMA TGLs = 1-13			
Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild
Note: [ HYPERPLASIA ] TGLs = 3-8			
Salivary Glands	Duct	Inflammation	Chronic Active, Minimal
	Duct	Metaplasia	Squamous, Minimal
Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 20

TRT#: 2

SEX: Female

DAY ON TEST: 722

DOSE: VEHICLE FEMALE

DISP: Moribund

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
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
Lymph Node	Mesenteric	Angiectasis	Mild
Note: ANGIECTASIS TGLs = 4-8			
Mammary Gland		Fibroadenoma	Multiple
		Galactocele	
[ Galactocele TGLs = 1-13+13.1,2-14+14.1 ]			
Mesentery	Fat	Necrosis	Marked
Note: NECROSIS TGLs = 3-6			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Note: [ HYPERPLASIA ] TGLs = 5-8			
Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 21

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** VEHICLE FEMALE

**DISP:** Terminal Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	Clitoral Gland	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	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

**MISSING**

Esophagus	Parathyroid Gland
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**OBSERVATIONS**

Brain	Brain Stem	Hemorrhage	Mild
Heart		Cardiomyopathy	Mild
Kidney	Papilla	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
Mammary Gland		Galactocele	
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
Note: ADENOMA	TGLs = 2-8		
Salivary Glands	Duct	Metaplasia	Squamous, Mild
Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	C Cell	Adenoma	

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 22

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: VEHICLE FEMALE

DISP: Moribund

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	Lung	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney	Papilla	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
Liver	Renal Tubule	Nephropathy	Minimal
		Pigmentation	Minimal
		Basophilic Focus	
Lymph Node	Mediastinal	Fatty Change	Focal, Minimal
		Infiltration Cellular	Histiocyte, Mild
		Infiltration Cellular	Histiocyte, Mild
Note: INFILTRAT CELL TGLs = 7-4			
Mammary Gland		Galactocele	
Note: GALACTOCELE TGLs = 2-14			
Mesentery	Fat	Inflammation	Chronic Active, Mild
		Pigmentation	Mild
Note: INFLAMMATION TGLs = 6-13			
Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
Note: ADENOMA TGLs = 8-8			
Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	C Cell	Adenoma	
Uterus		Cyst	
Note: CYST TGLs = 3-6			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01

**Test Type:** CHRONIC

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Probenecid

**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 23:03:13

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

**Lab:** TSI MASON

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**ANIMAL ID:** 22

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** VEHICLE FEMALE

**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:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 23

**TRT#:** 2  
**DOSE:** VEHICLE FEMALE

**SEX:** Female  
**DISP:** Moribund

**DAY ON TEST:** 651  
**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Mammary Gland

**OBSERVATIONS**

Adrenal Gland	Cortex	Carcinoma	Metastatic (Uncertain Primary Site)
Heart		Cardiomyopathy	Mild
Kidney	Cortex	Mineralization	Minimal
	Papilla	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
		Fatty Change	Focal, Minimal
Lung		Carcinoma	Metastatic (Thyroid Gland)
Note: CARCINOMA	TGLs = 3-1+2		
Lymph Node	Mandibular	Carcinoma	Metastatic (Thyroid Gland)
	Mediastinal	Infiltration Cellular	Histiocyte, Mild
Note: CARCINOMA	TGLs = 9-9		
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST	TGLs = 7-8		
Salivary Glands		Carcinoma	Metastatic (Thyroid Gland)
Note: CARCINOMA	TGLs = 1-9		
Spleen		Hemorrhage	Mild
		Infiltration Cellular	Histiocyte, Moderate
Note: HEMORRHAGE	TGLs = 5-3		
Thyroid Gland	C Cell	Carcinoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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**ANIMAL ID:** 23

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 651

**DOSE:** VEHICLE FEMALE

**DISP:** Moribund

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: CARCINOMA TGLs = 10-8.1+8.2

Note: THYROID TUMOR ADJACENT TO AND COMPRESSING TRACHEA

Trachea

Carcinoma

Metastatic (Thyroid Gland)

Note: CARCINOMA TGLs = 2-8.1+8.2

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 24

TRT#: 2

SEX: Female

DAY ON TEST: 636

DOSE: VEHICLE FEMALE

DISP: Moribund

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	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

**MISSING**

Clitoral Gland

**OBSERVATIONS**

Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: FIBROADENOMA TGLs = 1-10+13			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
Note: ADENOMA TGLs = 3-8			
Salivary Glands	Duct	Metaplasia	Squamous, Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 25

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: VEHICLE FEMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Esophagus

OBSERVATIONS

Clitoral Gland		Adenoma	
Note: ADENOMA	TGLs = 3-13		
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
Note: ANOM HEPAT LOB	TGLs = 4-3,5-3		
Mammary Gland		Galactoceles	
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Salivary Glands	Duct	Inflammation	Chronic Active, Mild
	Duct	Metaplasia	Squamous, Mild
	Acinus	Necrosis	Minimal
Skin		Squamous Cell Carcinoma	
Note: SQUAM CEL CARC	TGLs = 1-14		
Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 26

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 636

**DOSE:** VEHICLE FEMALE

**DISP:** Moribund

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Clitoral Gland

**OBSERVATIONS**

Adrenal Gland	Medulla	Hyperplasia	Minimal
Brain	Cerebrum	Necrosis	Moderate
	Cerebrum	Oligodendroglioma Malignant	
<p>Note: CLEAR CYTOPLASM AND HYPERCHROMATIC NUCLEI. THIS IS CALLED AS OLIGODENDROGLIOMA ALTHOUGH THIS COULD BE A REACTION. CLUSTERS OF ROUND CELLS IN THE CHOROID PLEXUS AND MENINGES (SECTION OF BRAIN STEM AND CEREBELLUM). NESTS OF CELLS IN THE AMYGDALA. IN THE CONTRALATERAL LOBE THERE ARE MANY CELLS WITH A LOSS OF ARCHITECTURE, DEMYELINATION, FUSIFORM CELLS, AND INFLAMMATORY CELLS IN THE HIPPOCAMPUS. DEGENERATION OF</p>			
Eye	Lens	Cataract	Mild
Note: CATARACT	TGLs = 1-10		
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: FIBROADENOMA	TGLs = 5-13		
Pituitary Gland	Pars Distalis	Hyperplasia	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 26	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 636
	<b>DOSE:</b> VEHICLE FEMALE	<b>DISP:</b> Moribund	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal
Urinary Bladder		Hemorrhage	Mild
Note: HEMORRHAGE	TGLs = 3-9		
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:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 27

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 675

**DOSE:** VEHICLE FEMALE

**DISP:** Dead

**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	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Glandular	Trachea	Urinary Bladder	Uterus

**MISSING**

Thymus

**OBSERVATIONS**

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Mild
Heart		Cardiomyopathy	Mild
Kidney	Papilla	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
Liver		Basophilic Focus	
		Fatty Change	Diffuse, Mild
Lung		Congestion	Minimal
Note: CONGESTION	TGLs = 6-1+2		
Mammary Gland		Adenocarcinoma	
		Fibroadenoma	
		Galactocele	
Note: FIBROADENOMA	TGLs = 3-13+13.1,1-15		
Note: [ ADENOCARC ]	TGLs = 4-14		
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
Note: ADENOMA	TGLs = 12-8		
Spleen		Depletion Lymphoid	Mild
		Infiltration Cellular	Histiocyte, Mild
Stomach	Forestomach	Acanthosis	Mild
	Forestomach	Hyperkeratosis	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 27	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 675
	<b>DOSE:</b> VEHICLE FEMALE	<b>DISP:</b> Dead	<b>HISTO:</b>

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<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Note: NECROSIS	TGLs = 7-7	Forestomach	Necrosis
Thyroid Gland		C Cell	Adenoma
Note: ADENOMA	TGLs = 5-8		

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



**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 28	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 736
	<b>DOSE:</b> VEHICLE FEMALE	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

Parathyroid Gland

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**OBSERVATIONS**

Heart		Cardiomyopathy	Mild
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: FIBROADENOMA	TGLs = 2-13		
Pituitary Gland	Pars Distalis	Angiectasis	Mild
Spleen		Hematopoietic Cell Proliferation	Mild

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 29

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: VEHICLE FEMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Ovary  
Skin  
Thyroid Gland

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Rectum  
Islets, Pancreatic  
Pancreas  
Stomach - Forestomach  
Trachea

Bone  
Esophagus  
Intestine Small - Duodenum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Stomach - Glandular  
Urinary Bladder

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Nose  
Salivary Glands  
Thymus  
Uterus

OBSERVATIONS

Blood  
Heart  
Kidney  
  
Liver  
  
[ Basophilic Focus TGLS = 4-3 ]  
Lung  
Note: LEUKEMIA MONUC TGLs = 3-2  
Mammary Gland  
Pituitary Gland  
Note: CYST TGLs = 5-8  
Spleen  
Note: LEUKEMIA MONUC TGLs = 1-3.1

Papilla  
Pelvis  
Renal Tubule  
  
Bile Duct  
  
Pars Distalis

Leukemia Mononuclear  
Cardiomyopathy  
Mineralization  
Mineralization  
Pigmentation  
Basophilic Focus  
Hyperplasia  
Leukemia Mononuclear  
  
Leukemia Mononuclear  
  
Galactocele  
Cyst  
  
Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 30

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 652

**DOSE:** VEHICLE FEMALE

**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	Lymph Node - Mesenteric	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

**MISSING**

Clitoral Gland

**OBSERVATIONS**

Heart		Cardiomyopathy	Mild
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
		Fatty Change	Focal, Minimal
	Bile Duct	Hyperplasia	Mild
		Mixed Cell Focus	Mild
Note: [ MIXED CL FOCUS ]			
TGLs = 7-3,8-3			
Lung		Congestion	Mild
[ Congestion TGLS = 5-1+2 ]			
Mammary Gland		Adenocarcinoma	
		Fibroadenoma	Multiple
		Galactocele	
Note: FIBROADENOMA			
TGLs = 1-15,2-13			
Note: [ ADENOCARC ]			
TGLs = 3-14			
Nose		Inflammation	Chronic Active, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
Note: ADENOMA			
TGLs = 9-8			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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**ANIMAL ID:** 30

**TRT#:** 2  
**DOSE:** VEHICLE FEMALE

**SEX:** Female  
**DISP:** Moribund

**DAY ON TEST:** 652  
**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Spleen

Hematopoietic Cell Proliferation  
Infiltration Cellular  
Adenoma

Mild  
Histiocyte, Mild

Thyroid Gland  
Note: A FEW FUSIFORM CELLS  
Note: ADENOMA TGLs = 4-8

C Cell

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 31

TRT#: 2

SEX: Female

DAY ON TEST: 663

DOSE: VEHICLE FEMALE

DISP: Moribund

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	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Heart		Cardiomyopathy	Mild
Kidney	Papilla	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
Lung		Congestion	Mild
	Alveolar Epith	Hyperplasia	Mild
[ Congestion TGLS = 3-1+2 ]			
Mammary Gland		Galactocele	
Mesentery	Fat	Mineralization	Minimal
	Fat	Necrosis	Mild
Note: NECROSIS TGLs = 2-14			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
Note: ADENOMA TGLs = 4-8			
Skin		Sarcoma	
Note: [ SARCOMA ] TGLs = 1-13			
Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 32

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 704

**DOSE:** VEHICLE FEMALE

**DISP:** Moribund

**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	Nose	Pancreas
Parathyroid Gland	Skin	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder	Uterus	

**OBSERVATIONS**

Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
	Cortex	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[ Hyperplasia TGLS = 3-3 ]			
Lung		Leukemia Mononuclear	
Lymph Node	Axillary	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 6-8		
Note: LEUKEMIA MONUC	TGLs = 5-1		
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: FIBROADENOMA	TGLs = 1-13		
Ovary		Granulosa Cell Tumor Benign	
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 32	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 704
	<b>DOSE:</b> VEHICLE FEMALE	<b>DISP:</b> Moribund	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: ADENOMA	TGLs = 4-8		Leukemia Mononuclear	
Salivary Glands		Duct	Metaplasia	Squamous, Minimal
Spleen			Hematopoietic Cell Proliferation	Mild
			Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 2-3			
Thymus			Leukemia Mononuclear	
Thyroid Gland		C Cell	Adenoma	

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 33

**TRT#:** 2  
**DOSE:** VEHICLE FEMALE

**SEX:** Female  
**DISP:** Moribund

**DAY ON TEST:** 544  
**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Heart		Cardiomyopathy	Mild
Kidney	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
		Fatty Change	Diffuse, Mild
Lung		Infiltration Cellular	Histiocyte, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 9,10-8			
Spleen		Hematopoietic Cell Proliferation	Mild
Uterus		Sarcoma Stromal	
Note: SARC STROMAL TGLs = 4-6.1			

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 34

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** VEHICLE FEMALE

**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	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

**OBSERVATIONS**

Heart		Cardiomyopathy	Mild
Kidney	Papilla	Mineralization	Mild
	Pelvis	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
Note: ANOM HEPAT LOB TGLs = 5-3,7-3			
Lung		Congestion	Mild
[ Congestion TGLS = 3-1+2 ]			
Mammary Gland		Fibroadenoma	Multiple
		Galactocele	
Note: FIBROADENOMA TGLs = 1-14,2-13			
Ovary		Granulosa Cell Tumor Benign	
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Note: [ HYPERPLASIA ] TGLs = 6-8			
Salivary Glands	Duct	Metaplasia	Squamous, Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 35

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: VEHICLE FEMALE

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	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney	Pelvis	Mineralization	Minimal
	Renal Tubule	Nephropathy	Minimal
		Pigmentation	Minimal
Liver		Basophilic Focus	
Lung		Alveolar/Bronchiolar Adenoma	
		Congestion	Mild
		[ Alveolar/Bronchiolar Adenoma TGLS = 6-2 ]	
		[ Congestion TGLS = 4-1+2 ]	
Mammary Gland		Adenocarcinoma	
		Fibroadenoma	Multiple
		Galactocele	
Note: FIBROADENOMA	TGLs = 1-13,2-14		
Ovary			
Note: MILD THECA CELL HYPERPLASIA			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
Note: ADENOMA	TGLs = 5-8		
Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	Follicular Cel	Adenoma	
Note: ADENOMA	TGLs = 3-8		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 36

TRT#: 2

SEX: Female

DAY ON TEST: 579

DOSE: VEHICLE FEMALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Nose	Pancreas	Parathyroid Gland	Stomach - Forestomach
Stomach - Glandular	Trachea	Uterus	

OBSERVATIONS

Bone Marrow		Leukemia Mononuclear	
Brain	Medulla	Hemorrhage	Moderate
		Leukemia Mononuclear	
Note: HEMORRHAGE	TGLs = 16-5		
Heart		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
	Cortex	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Fatty Change	Focal, Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 15-3		
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 9-1+2		
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 8-13		
Note: STARRY SKIED APPEARANCE IN LYMPH NODES			
Note: LEUKEMIA MONUC	TGLs = 6-9		
Note: LEUKEMIA MONUC	TGLs = 12-8		
Mammary Gland		Galactocele	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 36	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 579
	<b>DOSE:</b> VEHICLE FEMALE	<b>DISP:</b> Moribund	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: GALACTOCELE	TGLs = 4-10+13		
Ovary		Leukemia Mononuclear	
Pituitary Gland		Cyst	
Note: CYST	TGLs = 18-8		
Salivary Glands		Metaplasia	Squamous, Minimal
Skin		Neurofibroma	
Note: [ NEUROFIBROMA ]	TGLs = 3-14		
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 7-3		
Thymus		Leukemia Mononuclear	
Thyroid Gland		Hyperplasia	Minimal
Urinary Bladder		Hemorrhage	Mild
		Inflammation	Acute, Moderate
Note: INFLAMMATION	TGLs = 10-9		
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 37

TRT#: 2

SEX: Female

DAY ON TEST: 663

DOSE: VEHICLE FEMALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Clitoral Gland		Adenoma	
Note: ADENOMA	TGLs = 3-14		
Eye	Lens	Cataract	Mild
Note: CATARACT	TGLs = 2-13		
Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite	Minimal
Kidney	Pelvis	Mineralization	Minimal
	Renal Tubule	Nephropathy	Minimal
		Pigmentation	Minimal
Liver		Basophilic Focus	
Lung		Hemorrhage	Mild
Note: HEMORRHAGE	TGLs = 5-1		
Lymph Node	Mediastinal	Angiectasis	Mild
	Mediastinal	Infiltration Cellular	Plasma Cell, Moderate
Note: ANGIECTASIS	TGLs = 4-13		
Mammary Gland		Galactocele	
Salivary Glands	Duct	Metaplasia	Squamous, Minimal
Spleen		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 38

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: VEHICLE FEMALE

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	Lymph Node - Mesenteric
Nose	Ovary	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Parathyroid Gland

OBSERVATIONS

Harderian Gland		Hyperplasia	Mild
		Pigmentation	Mild
[ Hyperplasia TGLS = 6-14 ]			
Heart		Cardiomyopathy	Mild
Kidney	Papilla	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Mild
Lymph Node	Mediastinal	Angiectasis	Mild
	Renal	Angiectasis	Mild
	Mediastinal	Infiltration Cellular	Histiocyte, Mild
	Pancreatic	Infiltration Cellular	Histiocyte, Minimal
	Renal	Infiltration Cellular	Histiocyte, Mild
Note: ANGIECTASIS	TGLs = 2-13		
Note: ANGIECTASIS	TGLs = 5-13		
Note: INFILTRAT CELL	TGLs = 3-9		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 38	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 735
	<b>DOSE:</b> VEHICLE FEMALE	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Mammary Gland		Fibroadenoma Galactocele	
Note: FIBROADENOMA	TGLs = 1-14		
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis Pars Distalis	Cyst Hyperplasia	Mild
Note: CYST	TGLs = 7-8		
Salivary Glands	Acinus Duct	Inflammation Metaplasia	Chronic Active, Minimal Squamous, Minimal
Spleen		Hematopoietic Cell Proliferation Infiltration Cellular	Mild Histiocyte, Mild

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 39

TRT#: 2

SEX: Female

DAY ON TEST: 677

DOSE: VEHICLE FEMALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Clitoral Gland
Esophagus	Eye	Harderian Gland	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum
Islets, Pancreatic	Nose	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Blood		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 6-17		
Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
Intestine Small	Ileum, Lymphoid Nodul	Hyperplasia	Moderate
Note: HYPERPLASIA	TGLs = 10-7		
Kidney		Leukemia Mononuclear	
	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Fatty Change	Diffuse, Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 14-3		
Lung		Leukemia Mononuclear	
Lymph Node	Axillary	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 39	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 677
	<b>DOSE:</b> VEHICLE FEMALE	<b>DISP:</b> Moribund	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: LEUKEMIA MONUC	TGLs = 11-14		
Note: LEUKEMIA MONUC	TGLs = 16-13		
Note: LEUKEMIA MONUC	TGLs = 21-14		
Note: LEUKEMIA MONUC	TGLs = 12,13-8		
Note: LEUKEMIA MONUC	TGLs = 8-13		
Mammary Gland		Galactocele	
Note: GALACTOCELE	TGLs = 4,5-10+15		
Ovary		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
[ Hematopoietic Cell Proliferation TGLS = 7-3 ]			
Stomach	Glandular	Mineralization	Minimal
Thymus		Leukemia Mononuclear	
Uterus		Leukemia Mononuclear	
		Polyp Stromal	
Note: POLYP STROMAL	TGLs = 9-6		

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 40

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 652

**DOSE:** VEHICLE FEMALE

**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	Lung
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

**OBSERVATIONS**

Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
		Focal Cellular Change	
		Hepatodiaphragmatic Nodule	
[ Basophilic Focus TGLS = 4-13 ]			
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: FIBROADENOMA TGLs = 2-14			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
Note: ADENOMA TGLs = 5-8			
Spleen		Hematopoietic Cell Proliferation	Minimal
		Infiltration Cellular	Histiocyte, Mild
Thyroid Gland	C Cell	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 41

TRT#: 2

SEX: Female

DAY ON TEST: 529

DOSE: VEHICLE FEMALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Ear
Esophagus	Eye	Harderian Gland	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Nose	Pancreas
Skin	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Clitoral Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 11-8		
Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Fatty Change	Diffuse, Mild
		Leukemia Mononuclear	
		Regeneration	Focal, Mild
Note: [ REGENERATION ]	TGLs = 13-3,14-3		
[ Fatty Change TGLS = 12-3 ]			
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 7-1+2		
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 6-2		
Mammary Gland		Galactocele	
Note: GALACTOCELE	TGLs = 3-13		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 41	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 529
	<b>DOSE:</b> VEHICLE FEMALE	<b>DISP:</b> Moribund	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Ovary		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild
Note: [ HYPERPLASIA ] TGLs = 15-8			
Salivary Glands	Acinus	Hypertrophy	Minimal
Note: VACUOLES IN CYTOPLASM OF ACINAR CELLS			
Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 8-3.1 ]			
Stomach	Forestomach	Necrosis	Mild
Note: NECROSIS TGLs = 20-8			

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 42

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: VEHICLE FEMALE

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
Lung	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

MISSING

Parathyroid Gland

OBSERVATIONS

Brain			
Note: DISTENDED VENTRICLES			
Kidney	Cortex	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 2-13			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
Note: ADENOMA TGLs = 3-8			
Salivary Glands	Duct	Inflammation	Chronic Active, Minimal
	Duct	Metaplasia	Squamous, Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 43

TRT#: 2

SEX: Female

DAY ON TEST: 720

DOSE: VEHICLE FEMALE

DISP: Moribund

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	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

MISSING

Clitoral Gland	Parathyroid Gland
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OBSERVATIONS

Intest Large			
Note: FOCAL 'MINERALIZATION' OF THE MUCOSA IN ONE SECTION			
Kidney	Pelvis	Mineralization	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
Lung		Congestion	Mild
Note: CONGESTION TGLs = 5-1+2			
Mammary Gland		Fibroadenoma	Multiple
		Galactocele	
Note: FIBROADENOMA TGLs = 2-13,3-14			
Pituitary Gland	Pars Distalis	Adenoma	
Salivary Glands	Duct	Metaplasia	Squamous, Minimal
Spleen		Hematopoietic Cell Proliferation	Minimal
		Infiltration Cellular	Histiocyte, Mild
Note: INFILTRAT CELL TGLs = 6-3			
Note: AND VESICULAR NUCLEI			
Note: NESTS OF LARGE CELLS WITH INCONSPICUOUS CYTOPLASM			
Thyroid Gland	C Cell	Adenoma	
Uterus		Polyp Stromal	
Note: POLYP STROMAL TGLs = 4-6			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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**ANIMAL ID:** 43

**TRT#:** 2  
**DOSE:** VEHICLE FEMALE

**SEX:** Female  
**DISP:** Moribund

**DAY ON TEST:** 720  
**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 44

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** VEHICLE FEMALE

**DISP:** Terminal Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Adrenal Gland	Cortex	Adenoma	
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
Intest Large			
Note: FOCAL INFLAMMATION IN ONE AREA. TGL 6-7.1			
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-1+2			
Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Hyperplasia	Mild
Note: [ HYPERPLASIA ] TGLs = 4-8			
Salivary Glands	Acinus	Hypertrophy	Minimal
	Duct	Metaplasia	Squamous, Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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**ANIMAL ID:** 44

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** VEHICLE FEMALE

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

[ Hematopoietic Cell Proliferation TGLS = 3-3 ]

Uterus

Polyp Stromal

Note: POLYP STROMAL TGLs = 2-6

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 45

TRT#: 2

SEX: Female

DAY ON TEST: 620

DOSE: VEHICLE FEMALE

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Ear	Esophagus
Eye	Harderian Gland	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Eye			
Note: NO LENS			
Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
Kidney	Papilla	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Fatty Change	Focal, Minimal
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 8-3			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-2			
Note: LEUKEMIA MONUC TGLs = 6-8			
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
Note: CYST TGLs = 9-8			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-3			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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**ANIMAL ID:** 45

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 620

**DOSE:** VEHICLE FEMALE

**DISP:** Moribund

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Thymus

Leukemia Mononuclear

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 46	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 354
	<b>DOSE:</b> VEHICLE FEMALE	<b>DISP:</b> Moribund	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Ear	Esophagus	Eye
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Islets, Pancreatic	Lung
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

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**MISSING**

Clitoral Gland	Intestine Small - Jejunum	Mammary Gland	Parathyroid Gland
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**OBSERVATIONS**

Kidney	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
Lymph Node			
Note: SLIGHT INCREASE OF MAST CELLS IN MESENTERIC NODE			
Pituitary Gland	Pars Distalis	Angiectasis	Moderate
Note: ANGIECTASIS TGLs = 13-8			
Spleen		Hematopoietic Cell Proliferation	Moderate
Uterus		Deciduoma Nos	
Note: THIS LESION IS DIFFERENT FROM STROMAL			
Note: [ DECIDUOMA NOS ] TGLs = 8-7			
Note: SARCOMA OR DECIDUAL REACTION			

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 47

TRT#: 2

SEX: Female

DAY ON TEST: 722

DOSE: VEHICLE FEMALE

DISP: Moribund

HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Adrenal Gland - Medulla	Clitoral Gland
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**OBSERVATIONS**

Kidney	Pelvis	Mineralization	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 2-13			
Pituitary Gland	Pars Distalis	Adenoma	Multiple
Salivary Glands	Duct	Metaplasia	Squamous, Mild
Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 48

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: VEHICLE FEMALE

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Colon  
Intestine Small - Jejunum  
Mammary Gland  
Parathyroid Gland  
Stomach - Glandular  
Uterus

Bone  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Salivary Glands  
Thymus

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Lung  
Ovary  
Skin  
Trachea

OBSERVATIONS

Eye  
Note: HEMORRHAGE TGLs = 1-14  
Kidney  
Liver  
Pituitary Gland  
Spleen  
Thyroid Gland

Renal Tubule  
Bile Duct  
Pars Distalis  
Pars Intermed  
C Cell

Hemorrhage  
Nephropathy  
Pigmentation  
Hyperplasia  
Hyperplasia  
Hyperplasia  
Hematopoietic Cell Proliferation  
Carcinoma

Mild  
Mild  
Minimal  
Mild  
Mild  
Mild  
Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 49

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** VEHICLE FEMALE

**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 Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

**MISSING**

Clitoral Gland	Intestine Large - Rectum
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**OBSERVATIONS**

Heart		Cardiomyopathy	Mild
Kidney	Pelvis	Mineralization	Minimal
	Renal Tubule	Nephropathy	Minimal
		Pigmentation	Minimal
Liver		Basophilic Focus	
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: FIBROADENOMA TGLs = 2-14			
Pituitary Gland	Pars Distalis	Adenoma	Multiple
	Pars Distalis	Angiectasis	Mild
Note: ADENOMA TGLs = 5-8			
Skin	Subcut Tiss	Fibroma	
Note: FIBROMA TGLs = 3-13			
Spleen		Infiltration Cellular	Histiocyte, Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 50

TRT#: 2

SEX: Female

DAY ON TEST: 649

DOSE: VEHICLE FEMALE

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	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Clitoral Gland		Adenoma	
Note: ADENOMA	TGLs = 2-13		
Heart		Cardiomyopathy	Minimal
Kidney	Papilla	Mineralization	Mild
	Pelvis	Mineralization	Minimal
	Renal Tubule	Nephropathy	Minimal
Liver		Pigmentation	Minimal
		Fatty Change	Diffuse, Mild
		Leukemia Mononuclear	
Note: POSSIBILITY OF A LEUKEMIA HAS TO BE CONSIDERED			
Lung		Infiltration Cellular	Histiocyte, Mild
Spleen		Leukemia Mononuclear	
		Necrosis	Mild
Uterus		Polyp Stromal	
Note: POLYP STROMAL	TGLs = 5-6		
Note: POLYP - NECROSED			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 51	<b>TRT#:</b> 5	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 734
	<b>DOSE:</b> .1 G/KG LF	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Esophagus	Parathyroid Gland	Thyroid Gland
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**OBSERVATIONS**

Kidney	Pelvis	Mineralization	Minimal
	Renal Tubule	Pigmentation	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Salivary Glands	Duct	Inflammation	Acute, Minimal
	Duct	Metaplasia	Squamous, Mild

Note: METAPL TGLs = 1-4

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PRIMARY CAUSE OF DEATH

-

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**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 53	<b>TRT#:</b> 5	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 734
	<b>DOSE:</b> .1 G/KG LF	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Esophagus	Lung	Thyroid Gland	Trachea
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**OBSERVATIONS**

Kidney	Pelvis	Mineralization	Mild
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Hyperplasia	Mild

Note: ANGIECTASIS TGLs = 2-3

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PRIMARY CAUSE OF DEATH

-

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**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 54	<b>TRT#:</b> 5 <b>DOSE:</b> .1 G/KG LF	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 734 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Esophagus Trachea	Parathyroid Gland	Pituitary Gland	Thyroid Gland
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**OBSERVATIONS**

Kidney	Pelvis Renal Tubule	Mineralization Pigmentation Congestion	Minimal Mild Mild
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Lung  
[ Congestion TGLS = 1-4+5 ]

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PRIMARY CAUSE OF DEATH

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Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 55

TRT#: 5

SEX: Female

DAY ON TEST: 593

DOSE: .1 G/KG LF

DISP: Moribund

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 Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Clitoral Gland		Adenoma	
Note: ADENOMA	TGLs = 2-10		
Intestine Large	Rectum	Parasite	Mild
Kidney	Pelvis	Mineralization	Minimal
	Renal Tubule	Pigmentation	Mild
Note: PIGMENT	TGLs = 8-4		
Liver		Basophilic Focus	
Lung		Congestion	Mild
	Alveolar Epith	Hyperplasia	Mild
Note: HYPERPLASIA	TGLs = 3-2		
Note: CONGESTION	TGLs = 4-1+2		
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 1-13+13.1		
Pituitary Gland	Pars Distalis	Angiectasis	Minimal
	Pars Distalis	Hyperplasia	Minimal
Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
Uterus		Polyp Stromal	
Note: POLYP STROMAL	TGLs = 5-6		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 56

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 708

**DOSE:** .1 G/KG LF

**DISP:** Moribund

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Ear	Esophagus	Islets, Pancreatic	Pancreas
Parathyroid Gland	Thyroid Gland	Trachea	

**OBSERVATIONS**

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 14-11			
Eye	Lens	Cataract	Mild
[ Cataract TGLS = 3-4 ]			
Intestine Small	Jejunum, Lymphoid Nodul	Hyperplasia	Mild
Note: HYPERPLASIA TGLs = 21-11			
Kidney	Papilla	Leukemia Mononuclear	
	Pelvis	Mineralization	Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Fatty Change	Diffuse, Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 15-7			
Lymph Node	Inguinal	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 19-7			
Note: MORE LIKE LYMPHOCYTIC LEUKEMIA			
Note: LEUKEMIA MONUC TGLs = 6-3,10-2,12-8,13-9,16-2,18-10			
Mammary Gland		Fibroadenoma	
		Galactocele	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 56

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 708

**DOSE:** .1 G/KG LF

**DISP:** Moribund

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: FIBROADENOMA	TGLs = 5-5		
Note: GALACTOCELE	TGLs = 7-11		
Pituitary Gland		Pars Distalis	Adenoma
			Leukemia Mononuclear
Note: ADENOMA	TGLs = 20-3		
Spleen			Leukemia Mononuclear
Note: LEUKEMIA MONUC	TGLs = 8-6		
Uterus			Polyp Stromal
Note: POLYP STROMAL	TGLs = 11-3		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 57

TRT#: 5

SEX: Female

DAY ON TEST: 734

DOSE: .1 G/KG LF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Esophagus

Parathyroid Gland

Trachea

OBSERVATIONS

Adrenal Gland

Cortex

Leukemia Mononuclear

Medulla

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 5-3

Kidney

Leukemia Mononuclear

Nephropathy

Mild

Renal Tubule

Pigmentation

Mild

Liver

Basophilic Focus

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 6-6

Lung

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 2-4+5

Lymph Node

Axillary

Leukemia Mononuclear

Lumbar

Leukemia Mononuclear

Mediastinal

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 1-2,3-5,7-3

Mesentery

Fat

Necrosis

Moderate

Note: NECROSIS TGLs = 8-2

Pituitary Gland

Pars Distalis

Adenoma

Pars Distalis

Angiectasis

Mild

Leukemia Mononuclear

Note: ADENOMA TGLs = 9-3

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 4-6

Thyroid Gland

C Cell

Adenoma

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 58	<b>TRT#:</b> 5	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 722
	<b>DOSE:</b> .1 G/KG LF	<b>DISP:</b> Moribund	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Esophagus	Parathyroid Gland	Thyroid Gland	Trachea
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**OBSERVATIONS**

Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Lymph Node	Mesenteric	Angiectasis	Mild
Note: ANGIECTASIS TGLs = 3-3			
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-4			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 4-3			

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 59

TRT#: 5

SEX: Female

DAY ON TEST: 734

DOSE: .1 G/KG LF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Esophagus

Parathyroid Gland

Trachea

OBSERVATIONS

Clitoral Gland

Adenoma

[ Adenoma TGLS = 1-5 ]

Kidney

Pelvis

Mineralization

Minimal

Renal Tubule

Pigmentation

Mild

Liver

Basophilic Focus

Hepatodiaphragmatic Nodule

Mixed Cell Focus

[ Hepatodiaphragmatic Nodule TGLS = 4-4 ]

Lymph Node

Mesenteric

Depletion Lymphoid

Mild

Mesenteric

Infiltration Cellular

Histiocyte, Mild

Note: INFILTRAT CELL TGLs = 3-3

Pituitary Gland

Pars Distalis

Cyst

Pars Distalis

Hyperplasia

Mild

Note: CYST TGLs = 6-3

Note: HYPERPLASIA TGLs = 5-3

Spleen

Pigmentation

Moderate

Note: PIGMENT TGLs = 2-4

Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

<b>ANIMAL ID:</b> 60	<b>TRT#:</b> 5	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 722
	<b>DOSE:</b> .1 G/KG LF	<b>DISP:</b> Moribund	<b>HISTO:</b>

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Esophagus	Ovary	Parathyroid Gland	Trachea
<b>OBSERVATIONS</b>			
Kidney	Papilla	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
		Fatty Change	Focal, Minimal
		Hepatodiaphragmatic Nodule	
		Mixed Cell Focus	
[ Hepatodiaphragmatic Nodule TGLS = 7-6 ]			
Lung		Congestion	Mild
	Alveolar Epith	Hyperplasia	Mild
Note: CONGESTION	TGLs = 5-4+5		
Lymph Node	Mesenteric	Angiectasis	Mild
Note: ANGIECTASIS	TGLs = 6-3		
Mammary Gland		Fibroadenoma	Multiple
		Galactocele	
Note: FIBROADENOMA	TGLs = 1-7,2-8,3-9		
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
Note: ADENOMA	TGLs = 8-3		
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 61	<b>TRT#:</b> 5	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 734
	<b>DOSE:</b> .1 G/KG LF	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Esophagus	Trachea
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**OBSERVATIONS**

Kidney		Pigmentation	
Mammary Gland		Galactocele	
	Acinus	Hyperplasia	Mild
Note: GALACTOCELE	TGLs = 2-3		
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
Skin		Acanthosis	Mild
		Hyperkeratosis	Moderate
[ Hyperkeratosis TGLS = 1-4 ]			
Thyroid Gland	C Cell	Hyperplasia	Minimal

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 62

TRT#: 5

SEX: Female

DAY ON TEST: 537

DOSE: .1 G/KG LF

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	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Uterus		

MISSING

Clitoral Gland	Parathyroid Gland	Urinary Bladder
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OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney	Cortex	Mineralization	Minimal
	Renal Tubule	Nephropathy	Minimal
		Pigmentation	Minimal
Liver		Basophilic Focus	
		Fatty Change	Focal, Minimal
Mammary Gland		Fibroadenoma	Multiple
Note: FIBROADENOMA	TGLs = 1-14.1+14.2,2-13,3-13		
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST	TGLs = 9-8		
Note: CYST	TGLs = 8-8		
Spleen		Hematopoietic Cell Proliferation	Mild
Note: HEMA CELL PROL	TGLs = 5-3		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 63

TRT#: 5

SEX: Female

DAY ON TEST: 734

DOSE: .1 G/KG LF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Esophagus  
Trachea

Eye

Parathyroid Gland

Thyroid Gland

OBSERVATIONS

Kidney

Papilla

Mineralization

Minimal

Nephropathy

Minimal

Renal Tubule

Pigmentation

Mild

Liver

Basophilic Focus

Hepatodiaphragmatic Nodule

Bile Duct

Hyperplasia

Mild

Note: ANOM HEPAT LOB TGLs = 4-4

Lymph Node

Mesenteric

Infiltration Cellular

Histiocyte, Mild

Note: INFILTRAT CELL TGLs = 3-3

Mammary Gland

Fibroadenoma

Multiple

Note: FIBROADENOMA TGLs = 1-5,2-6

Pituitary Gland

Pars Distalis

Adenoma

Pars Distalis

Angiectasis

Moderate

Note: ADENOMA TGLs = 5-3

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 64

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** .1 G/KG LF

**DISP:** Terminal Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Esophagus	Eye	Pancreas	Parathyroid Gland
Thyroid Gland	Trachea		

**OBSERVATIONS**

Adrenal Gland	Medulla	Hyperplasia	Minimal
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 8-2			
Harderian Gland		Pigmentation	Mild
Note: TGL #11 REFERS PROBABLY TO HARDERIAN GLAND			
Kidney	Cortex	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 14-6			
Lymph Node	Lumbar	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-3,6-3,7-3,9-7,10-7			
Pituitary Gland		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLs = 4-5 ]			
Thymus		Leukemia Mononuclear	

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 65	<b>TRT#:</b> 5	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 734
	<b>DOSE:</b> .1 G/KG LF	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Esophagus	Parathyroid Gland	Thyroid Gland	Trachea
<b>OBSERVATIONS</b>			
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
[ Angiectasis TGLS = 2-3 ]			
Uterus		Polyp Stromal	
Note: POLYP STROMAL TGLs = 1-3			

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PRIMARY CAUSE OF DEATH

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**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 66	<b>TRT#:</b> 5	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> .1 G/KG LF	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Esophagus	Trachea
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**OBSERVATIONS**

Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-4			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Note: HYPERPLASIA TGLs = 3-3			
Thyroid Gland	C Cell	Carcinoma	
Note: CARCINOMA TGLs = 1-2			

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 67

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 603

**DOSE:** .1 G/KG LF

**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	Lung
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Skin	Stomach - Forestomach	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

**OBSERVATIONS**

Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Note: NEPHROPATHY TGLs = 5-4			
Liver		Basophilic Focus	
Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Mild
Note: INFILTRAT CELL TGLs = 3-8			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
Note: ADENOMA TGLs = 6-8.1			
Salivary Glands	Duct	Metaplasia	Squamous, Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
		Infiltration Cellular	Histiocyte, Mild
		Pigmentation	Moderate
Stomach	Glandular	Hyperplasia	Mild
Note: HYPERPLASIA TGLs = 4-7			
Uterus		Polyp Stromal	
Note: POLYP STROMAL TGLs = 2-6			
Note: TGL #2 PROBABLY REFERS TO UTERUS AND NOT URETHRA			

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 68

TRT#: 5

SEX: Female

DAY ON TEST: 551

DOSE: .1 G/KG LF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Rectum  
Islets, Pancreatic  
Ovary  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Esophagus  
Intestine Small - Duodenum  
Lung  
Pancreas  
Skin  
Thymus

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

Bone Marrow  
Intestine Large - Colon  
Intestine Small - Jejunum  
Nose  
Pituitary Gland  
Stomach - Forestomach  
Trachea

MISSING

Clitoral Gland

OBSERVATIONS

Heart  
Kidney  
  
Liver  
Lymph Node  
Note: INFILTRAT CELL TGLs = 3-9  
Mammary Gland  
  
Note: FIBROADENOMA TGLs = 1-10+13  
Uterus  
Note: DEBATABLE IF THIS IS A TRUE POLYP  
Note: POLYP STROMAL TGLs = 5-6

Pelvis  
  
Renal Tubule  
  
Mandibular

Cardiomyopathy  
Mineralization  
Nephropathy  
Pigmentation  
Basophilic Focus  
Infiltration Cellular  
  
Fibroadenoma  
Galactocele  
  
Polyp Stromal

Mild  
Minimal  
Minimal  
Minimal  
  
Plasma Cell, Moderate

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 69	<b>TRT#:</b> 5	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 734
	<b>DOSE:</b> .1 G/KG LF	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Esophagus	Parathyroid Gland	Thyroid Gland	Trachea
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**OBSERVATIONS**

Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Pigmentation	Mild
Note: LEUKEMIA MONUC TGLs = 3-6			
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-4+5			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Note: HYPERPLASIA TGLs = 4-3			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-6			

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 70	<b>TRT#:</b> 5	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 734
	<b>DOSE:</b> .1 G/KG LF	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Esophagus	Parathyroid Gland	Trachea
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**OBSERVATIONS**

Clitoral Gland [ Adenoma TGLS = 1-6 ]		Adenoma	
Kidney	Renal Tubule	Nephropathy Pigmentation	Minimal Minimal
Lung [ Congestion TGLS = 2-4+5 ]		Congestion	Mild
Pituitary Gland [ Angiectasis TGLS = 3-3 ]	Pars Distalis Pars Distalis	Adenoma Angiectasis	Moderate
Thyroid Gland	C Cell	Hyperplasia	Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 71

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** .1 G/KG LF

**DISP:** Terminal Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Esophagus	Eye	Parathyroid Gland	Thyroid Gland
Trachea			

**OBSERVATIONS**

Clitoral Gland		Adenoma	
Note: ADENOMA	TGLs = 2-6		
Kidney	Renal Tubule	Nephropathy	Mild
		Pigmentation	Minimal
Liver		Fatty Change	Focal, Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-4		
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 1-5		
Note: A FIBROMA RATHER THAN A FIBROADENOMA			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
Note: ADENOMA	TGLs = 5-3		
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-4		
Uterus		Polyp Stromal	
Note: POLYP STROMAL	TGLs = 6-3		

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 72	<b>TRT#:</b> 5	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 734
	<b>DOSE:</b> .1 G/KG LF	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Esophagus	Parathyroid Gland	Thyroid Gland	Trachea
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**OBSERVATIONS**

Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Lung		Hemorrhage	Minimal
Note: HEMORRHAGE	TGLs = 2-4		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 4-3		
Uterus		Polyp Stromal	
[ Polyp Stromal TGLS = 1-2 ]			

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 73	<b>TRT#:</b> 5	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 734
	<b>DOSE:</b> .1 G/KG LF	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Ear	Esophagus	Ovary	Parathyroid Gland
Trachea			

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**OBSERVATIONS**

Eye	Lens	Cataract	Mild
Note: CATARACT	TGLs = 1-2		
Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Mild
		Leukemia Mononuclear	
Liver			
Note: LEUKEMIA MONUC	TGLs = 3-4		
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
Note: ADENOMA	TGLs = 4-3		
Thyroid Gland	C Cell	Hyperplasia	Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 74	<b>TRT#:</b> 5	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 734
	<b>DOSE:</b> .1 G/KG LF	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Esophagus	Parathyroid Gland	Spleen	Thyroid Gland
Trachea			

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**OBSERVATIONS**

Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Mild
[ Infiltration Cellular TGLS = 2-2 ]			
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 3-4 ]			
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 4-3 ]			

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PRIMARY CAUSE OF DEATH

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**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 75	<b>TRT#:</b> 5	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 734
	<b>DOSE:</b> .1 G/KG LF	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Esophagus	Parathyroid Gland	Trachea
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**OBSERVATIONS**

Eye	Retina	Atrophy	Mild
Kidney	Pelvis	Mineralization	Minimal
	Renal Tubule	Pigmentation	Minimal
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: FIBROADENOMA	TGLs = 2-4		
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 76

TRT#: 5

SEX: Female

DAY ON TEST: 572

DOSE: .1 G/KG LF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Nose	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Thyroid Gland	Trachea

MISSING

Bone	Bone Marrow
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OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Brain		Inflammation	Acute, Minimal
		Leukemia Mononuclear	
Heart		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
	Papilla	Mineralization	Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLs = 8-3 ]		
Lung		Leukemia Mononuclear	
	Note: LEUKEMIA MONUC TGLs = 7-1+2		
Lymph Node	Axillary	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Note: LEUKEMIA MONUC TGLs = 6-2		
Mammary Gland		Fibroadenoma	
		Galactocele	
	Note: FIBROADENOMA TGLs = 2-6		
Ovary		Leukemia Mononuclear	
Pancreas		Leukemia Mononuclear	
	Note: LEUKEMIA MONUC TGLs = 3-9		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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**ANIMAL ID:** 76

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 572

**DOSE:** .1 G/KG LF

**DISP:** Moribund

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Pituitary Gland		Leukemia Mononuclear
Spleen		Leukemia Mononuclear
[ Leukemia Mononuclear TGLS = 4-3 ]		
Stomach	Glandular	Leukemia Mononuclear
Thymus		Leukemia Mononuclear
Urinary Bladder		Leukemia Mononuclear
Uterus		Leukemia Mononuclear

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 77	<b>TRT#:</b> 5 <b>DOSE:</b> .1 G/KG LF	<b>SEX:</b> Female <b>DISP:</b> Moribund	<b>DAY ON TEST:</b> 699 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Clitoral Gland Trachea	Parathyroid Gland	Pituitary Gland	Thyroid Gland
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**OBSERVATIONS**

Kidney Mammary Gland Note: FIBROADENOMA TGLs = 2-4+4.1	Renal Tubule	Pigmentation Fibroadenoma	Minimal
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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 78	<b>TRT#:</b> 5	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 734
	<b>DOSE:</b> .1 G/KG LF	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Esophagus	Parathyroid Gland	Thyroid Gland	Trachea
<b>OBSERVATIONS</b>			
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
		Fatty Change	Focal, Minimal
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 3-4			
Mammary Gland		Fibroadenoma	Multiple
		Galactocele	
Note: FIBROADENOMA TGLs = 1-5,2-6			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
Note: ANGIECTASIS TGLs = 5-3			
Note: ADENOMA TGLs = 6-3			

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

<b>ANIMAL ID:</b> 79	<b>TRT#:</b> 5 <b>DOSE:</b> .1 G/KG LF	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 734 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Esophagus	Eye	Harderian Gland	Parathyroid Gland
Thyroid Gland	Trachea		

**OBSERVATIONS**

Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
Note: ANOM HEPAT LOB TGLs = 4-4			
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-5			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
Note: ADENOMA TGLs = 6-3			
Skin		Sarcoma	
Note: [ SARCOMA ] TGLs = 3-2			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Test Compound: Probenecid  
CAS Number: 57-66-9

Date Report Requested: 10/21/2014  
Time Report Requested: 23:03:13  
First Dose M/F: NA / NA  
Lab: TSI MASON

ANIMAL ID: 80                      TRT#: 5                      SEX: Female                      DAY ON TEST: 97  
DOSE: .1 G/KG LF                      DISP: Moribund                      HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Bone	Brain	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland	Nose
Ovary	Pancreas	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Uterus		

**MISSING**

Clitoral Gland	Parathyroid Gland
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**OBSERVATIONS**

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 7-8		
Bone Marrow		Leukemia Mononuclear	
Heart		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 6-4		
Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 5-3 ]			
Lung		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 8-1+2 ]			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 2-3 ]			
Thymus		Leukemia Mononuclear	
Urinary Bladder		Mineralization	Minimal

PRIMARY CAUSE OF DEATH -

Animal Note: THIS NEOPLASM IS MORE LIKE LYMPHOCYTIC THAN

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05030-01

**Test Type:** CHRONIC

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Probenecid

**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 23:03:13

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

**Lab:** TSI MASON

---

**ANIMAL ID:** 80

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 97

**DOSE:** .1 G/KG LF

**DISP:** Moribund

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Animal Note: MONONUCLEAR CELL LEUKEMIA

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 81	<b>TRT#:</b> 5	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 592
	<b>DOSE:</b> .1 G/KG LF	<b>DISP:</b> Moribund	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Eye	Harderian Gland
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

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**MISSING**

Clitoral Gland

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**OBSERVATIONS**

Heart		Cardiomyopathy	Mild
Kidney	Pelvis	Mineralization	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Minimal
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: FIBROADENOMA TGLs = 1-13			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
Note: ADENOMA TGLs = 3-8			
Spleen		Hematopoietic Cell Proliferation	Mild

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 82

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 691

**DOSE:** .1 G/KG LF

**DISP:** Moribund

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Clitoral Gland	Ear	Esophagus	Harderian Gland
Pancreas	Parathyroid Gland	Thyroid Gland	Trachea

**OBSERVATIONS**

Eye	Lens	Cataract	Mild
Note: CATARACT	TGLs = 1-4		
Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Fatty Change	Diffuse, Mild
		Leukemia Mononuclear	
[ Fatty Change TGLS = 11-8 ]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 6-2,9-2,10-3,12-3		
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: FIBROADENOMA	TGLs = 4-6,5-7		
Pituitary Gland	Pars Distalis	Angiectasis	Mild
Note: ANGIECTASIS	TGLs = 16-3		
Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3-5 ]			
Uterus		Polyp Stromal	
Note: POLYP STROMAL	TGLs = 7-3		

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 83	<b>TRT#:</b> 5	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 734
	<b>DOSE:</b> .1 G/KG LF	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Esophagus	Parathyroid Gland
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**OBSERVATIONS**

Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Ovary		Granulosa Cell Tumor Benign	
Note: [ GRANLSA TM BGN ] TGLs = 2-3			
Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild
Note: HYPERPLASIA TGLs = 3-3			
Skin		Basal Cell Carcinoma	
Note: BASAL CEL CARC TGLs = 1-4			
Thyroid Gland	C Cell	Hyperplasia	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 84	<b>TRT#:</b> 5 <b>DOSE:</b> .1 G/KG LF	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 734 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Esophagus Trachea	Lung	Parathyroid Gland	Thyroid Gland
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**OBSERVATIONS**

Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild

Note: ADENOMA TGLs = 2-3

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PRIMARY CAUSE OF DEATH

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**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 85

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 85

**DOSE:** .1 G/KG LF

**DISP:** Moribund

**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	Kidney	Liver	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Pituitary Gland	Salivary Glands	Skin	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	Uterus

**MISSING**

Intestine Large - Rectum	Parathyroid Gland
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**OBSERVATIONS**

Heart Note: MINERALIZATION TGLs = 4-2	Mineralization	Moderate
Lung Note: BLOOD, INFLAMMATORY CELLS, AND MUCINOUS Note: MATERIAL IN A BRONCHIOLE. CHANGES MORE Note: LIKE BRONCHOPNEUMONIA.	Hemorrhage Inflammation	Minimal Chronic Active, Moderate
Spleen Note: DEPLET LYMPH TGLs = 6-3	Depletion Lymphoid Infiltration Cellular	Mild Histiocyte, Moderate
Stomach Note: A FEW DESQUAMATED CELLS AND GOLDEN BROWN Note: PIGMENT IN THE GLANDULAR AREA	Forestomach Hyperkeratosis	Minimal
Thymus	Depletion Lymphoid	Mild

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 86	<b>TRT#:</b> 5	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 734
	<b>DOSE:</b> .1 G/KG LF	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Esophagus	Pituitary Gland	Thyroid Gland	Trachea
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**OBSERVATIONS**

Kidney	Papilla	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
Note: ANOM HEPAT LOB TGLs = 5-7			
Lung		Congestion	Mild
Note: CONGESTION TGLs = 3-4+5			
Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 2-6 ]			
Uterus		Polyp Stromal	
Note: POLYP STROMAL TGLs = 1-2			

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 87	<b>TRT#:</b> 5	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 734
	<b>DOSE:</b> .1 G/KG LF	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Esophagus	Parathyroid Gland	Thyroid Gland	Trachea
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**OBSERVATIONS**

Kidney	Cortex	Mineralization	Minimal
	Papilla	Mineralization	Minimal
	Renal Tubule	Pigmentation	Minimal
Lung		Congestion	Mild
Note: CONGESTION	TGLs = 1-4+5		
Pituitary Gland	Pars Distalis	Hyperplasia	Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 88	<b>TRT#:</b> 5	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 734
	<b>DOSE:</b> .1 G/KG LF	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Esophagus	Ovary	Parathyroid Gland
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**OBSERVATIONS**

Clitoral Gland		Adenoma	
		Inflammation	Acute, Moderate
Note: ADENOMA	TGLs = 1-2		
Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 2-5		
Pituitary Gland		Adenoma	
	Pars Distalis	Angiectasis	Moderate
Note: ADENOMA	TGLs = 6-3		
Thyroid Gland		Adenoma	
Note: ADENOMA	TGLs = 5-2		
	Follicular Cel		

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 89	<b>TRT#:</b> 5	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 734
	<b>DOSE:</b> .1 G/KG LF	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Esophagus	Parathyroid Gland	Pituitary Gland	Thyroid Gland
Trachea			

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**OBSERVATIONS**

Kidney	Papilla	Mineralization	Minimal
	Pelvis	Mineralization	Mild
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
		Congestion	Mild
Lung			
Note: CONGESTION	TGLs = 2-4+5		
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 1-6		

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 90      **TRT#:** 5      **SEX:** Female      **DAY ON TEST:** 721  
**DOSE:** .1 G/KG LF      **DISP:** Moribund      **HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Clitoral Gland	Ear	Esophagus	Pancreas
Parathyroid Gland	Pituitary Gland	Trachea	

**OBSERVATIONS**

Brain		Astrocytoma Benign	
Note: ASTROCYTO BGN	TGLs = 13-10		
Eye	Lens	Cataract	Mild
		Synechia	Mild
Note: CATARACT	TGLs = 1-5		
Note: SYNECHIA	TGLs = 2-5		
Kidney	Papilla	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
Note: ANOM HEPAT LOB	TGLs = 11-9		
Lung		Alveolar/Bronchiolar Adenoma	
		Congestion	Mild
Note: ALV BRON ADEN	TGLs = 14-6		
Note: MORE LIKE A CARCINOMA			
Note: CONGESTION	TGLs = 6-6+7		
Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Mild
	Pancreatic	Infiltration Cellular	Histiocyte, Mild
	Renal	Infiltration Cellular	Histiocyte, Mild
Note: INFILTRAT CELL	TGLs = 7-7,8-7,9-3,12-3		
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 3-8		
Thyroid Gland	C Cell	Adenoma	
Note: ADENOMA	TGLs = 5-2		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01

**Test Type:** CHRONIC

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Probenecid

**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 23:03:13

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

**Lab:** TSI MASON

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**ANIMAL ID:** 90

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 721

**DOSE:** .1 G/KG 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:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 91	<b>TRT#:</b> 5 <b>DOSE:</b> .1 G/KG LF	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 734 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Esophagus	Ovary	Parathyroid Gland	Trachea
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**OBSERVATIONS**

Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-4			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 92	<b>TRT#:</b> 5 <b>DOSE:</b> .1 G/KG LF	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 734 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Esophagus Trachea	Lung	Parathyroid Gland	Thyroid Gland
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**OBSERVATIONS**

Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: ANOM HEPAT LOB TGLs = 5-6 Note: LEUKEMIA MONUC TGLs = 4-6,5-6			
Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Note: HYPERPLASIA TGLs = 3-3			
Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1-2 ]			

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 93	<b>TRT#:</b> 5	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 734
	<b>DOSE:</b> .1 G/KG LF	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Esophagus	Parathyroid Gland	Pituitary Gland	Trachea
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**OBSERVATIONS**

Kidney	Pelvis	Mineralization	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
		Leukemia Mononuclear	
Lung		Congestion	Mild
Note: CONGESTION	TGLs = 1-4+5,2-4+5		
Spleen		Hemorrhage	Moderate
		Leukemia Mononuclear	
Note: HEMORRHAGE	TGLs = 3-6		
Note: LEUKEMIA MONUC	TGLs = 4-6		
Thyroid Gland	C Cell	Hyperplasia	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 94

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** .1 G/KG LF

**DISP:** Terminal Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Esophagus  
 Parathyroid Gland

Harderian Gland  
 Trachea

Lacrimal Gland

Lung

**OBSERVATIONS**

Clitoral Gland

Carcinoma  
 Necrosis

Moderate

Note: CARCINOMA TGLs = 4-7  
 Note: NECROSIS TGLs = 2-7

Eye  
 Kidney

Synechia  
 Leukemia Mononuclear  
 Pigmentation

Mild

Renal Tubule

Minimal

Liver  
 Note: LEUKEMIA MONUC TGLs = 13-9  
 Lymph Node

Axillary  
 Lumbar  
 Mandibular  
 Mediastinal  
 Mesenteric  
 Pancreatic  
 Renal

Leukemia Mononuclear  
 Leukemia Mononuclear  
 Leukemia Mononuclear  
 Leukemia Mononuclear  
 Leukemia Mononuclear  
 Leukemia Mononuclear  
 Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 12-5  
 Note: LEUKEMIA MONUC TGLs = 14-2  
 Note: LEUKEMIA MONUC TGLs = 9-8  
 Note: LEUKEMIA MONUC TGLs = 15-3  
 Note: LEUKEMIA MONUC TGLs = 11-3  
 Note: LEUKEMIA MONUC TGLs = 3-2  
 Note: LEUKEMIA MONUC TGLs = 17-4

Mammary Gland  
 Note: GALACTOCELE TGLs = 10-9  
 Pituitary Gland

Galactocele

Pars Distalis  
 Pars Distalis

Cyst  
 Hyperplasia

Mild

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 94	<b>TRT#:</b> 5	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 734
	<b>DOSE:</b> .1 G/KG LF	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Spleen		Leukemia Mononuclear Leukemia Mononuclear Necrosis	Moderate
Note: INFARCTED Note: LEUKEMIA MONUC TGLs = 5-6 [ Leukemia Mononuclear TGLS = 6-6 ]			
Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:13

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 95

TRT#: 5

SEX: Female

DAY ON TEST: 734

DOSE: .1 G/KG LF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Trachea

Esophagus

Parathyroid Gland

Thyroid Gland

OBSERVATIONS

Adrenal Gland  
Note: PHEOCHROM BGN TGLs = 5-3

Medulla

Pheochromocytoma Benign

Kidney

Renal Tubule

Nephropathy

Minimal

Pigmentation

Minimal

Congestion

Mild

Lung

Note: CONGESTION TGLs = 4-4+5

Mammary Gland

Note: FIBROADENOMA TGLs = 1-6

Fibroadenoma

Pituitary Gland

Pars Distalis

Adenoma

Spleen

Hematopoietic Cell Proliferation

Mild

Pigmentation

Mild

Uterus

Note: NOT CONVINCING FOR A POLYP

Note: POLYP STROMAL TGLs = 2-2

Polyp Stromal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 96	<b>TRT#:</b> 5 <b>DOSE:</b> .1 G/KG LF	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 734 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Esophagus	Pancreas	Parathyroid Gland	Thyroid Gland
Trachea			

---

**OBSERVATIONS**

Islets, Pancreatic		Adenoma	
Note: ADENOMA TGLs = 2-2			
Note: TUMOR INFILTRATED IN THICK FIBROUS CAPSULE.			
Note: TGL#2 PROBABLY REFERS TO ISLET CELL TUMOR			
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
[ Angiectasis TGLS = 1-3 ]			

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

<b>ANIMAL ID:</b> 97	<b>TRT#:</b> 5	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 734
	<b>DOSE:</b> .1 G/KG LF	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Esophagus	Parathyroid Gland	Trachea	
<b>OBSERVATIONS</b>			
Clitoral Gland		Hyperplasia Inflammation	Marked Acute, Moderate
Note: INFLAMMATION TGLs = 1-2 Note: A REACTIVE CHANGE, PROBABLY			
Kidney	Pelvis	Leukemia Mononuclear Mineralization Nephropathy	Minimal Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus Fatty Change	Focal, Mild
	Bile Duct	Hyperplasia Leukemia Mononuclear	Mild
Note: LEUKEMIA MONUC TGLs = 4-5			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild
Note: ADENOMA TGLs = 5-3			
Spleen		Angiectasis Hematopoietic Cell Proliferation Leukemia Mononuclear	Mild Mild
[ Angiectasis TGLS = 2-4 ] [ Hematopoietic Cell Proliferation TGLS = 3-4 ]			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 98                      **TRT#:** 5                      **SEX:** Female                      **DAY ON TEST:** 733  
**DOSE:** .1 G/KG LF                      **DISP:** Terminal Sacrifice                      **HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Esophagus	Eye	Intestine Small - Jejunum	Parathyroid Gland
Trachea			

**OBSERVATIONS**

Clitoral Gland		Inflammation	Acute, Marked
Note: INFLAMMATION    TGLs = 5-5			
Note: MORE LIKE AN ABSCESS			
Intestine Small	Ileum, Lymphoid Tiss	Hyperplasia	Mild
Note: HYPERPLASIA    TGLs = 9-7			
Kidney	Pelvis	Mineralization	Minimal
	Renal Tubule	Nephropathy	Minimal
	Lumbar	Pigmentation	Mild
Lymph Node	Mediastinal	Infiltration Cellular	Plasma Cell, Mild
	Mesenteric	Infiltration Cellular	Plasma Cell, Mild
	Renal	Infiltration Cellular	Histiocyte, Mild
Note: INFILTRAT CELL    TGLs = 7-2,10-7,11-7,12-2			
Mammary Gland		Adenocarcinoma	
		Fibroadenoma	Multiple
		Galactocele	
Note: FIBROADENOMA    TGLs = 3-3,4-6,13-8,14-8			
Ovary		Cyst	
Note: CYST            TGLs = 8-3			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
Note: ADENOMA        TGLs = 15-3			
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:13  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 99

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 617

**DOSE:** .1 G/KG LF

**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	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

**OBSERVATIONS**

Clitoral Gland		Adenoma	
Note: ADENOMA	TGLs = 2-10		
Heart		Leukemia Mononuclear	
Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Fatty Change	Focal, Mild
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-1+2		
Lymph Node	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	
		Galactocele	
Note: GALACTOCELE	TGLs = 1-10+13		
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
Note: ADENOMA	TGLs = 5-8		
Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 4-3 ]			
Thymus		Leukemia Mononuclear	

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:14

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 101

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: .4 G/KG HF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Adrenal Gland - Medulla	Parathyroid Gland
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OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney	Papilla	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Hepatodiaphragmatic Nodule	
Note: ANOM HEPAT LOB TGLs = 2-3.1			
Pancreas			
Note: HEPATOCYTES AROUND AN ISLET			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
Note: ADENOMA TGLs = 3-8			
Salivary Glands	Duct	Metaplasia	Squamous, Mild
Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:14

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 102

TRT#: 6

SEX: Female

DAY ON TEST: 637

DOSE: .4 G/KG HF

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	Lung
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

**OBSERVATIONS**

Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 3-13			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
Note: ADENOMA TGLs = 6-8			
Spleen		Infiltration Cellular	Histiocyte, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:14  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 103

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 695

**DOSE:** .4 G/KG HF

**DISP:** Moribund

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Adrenal Gland	Medulla	Hyperplasia	Minimal
Heart		Cardiomyopathy	Mild
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 1-1			
Lymph Node	Mandibular	Lymphoma Malignant Undifferentiated Cell Type	
Note: [ LYMPH MAL UNDF ] TGLs = 6-13			
Mammary Gland		Galactocele	
Note: GALACTOCELE TGLs = 2-15			
Pituitary Gland	Pars Distalis	Angiectasis	Mild
Note: ANGIECTASIS TGLs = 8-8			
Skin		Necrosis	Moderate
Note: THE CELLS IN THIS MASS ARE LIKE LEUKEMIC CELLS			
Note: NECROSIS TGLs = 7-16			
Spleen		Hematopoietic Cell Proliferation	Mild

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:14  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 104

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 135

**DOSE:** .4 G/KG HF

**DISP:** Dead

**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	Liver
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Trachea	Uterus	

**MISSING**

Mammary Gland	Parathyroid Gland	Thyroid Gland	Urinary Bladder
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**OBSERVATIONS**

Kidney	Cortex	Mineralization	Mild
	Papilla	Mineralization	Minimal
	Renal Tubule	Pigmentation	Minimal
Note: MINERALIZATION TGLs = 5-4			
Lung		Congestion	Mild
[ Congestion TGLS = 3-1+2 ]			
Spleen		Infiltration Cellular	Histiocyte, Moderate
Thymus		Hemorrhage	Moderate
Note: HEMORRHAGE TGLs = 4-2			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:14

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 105

TRT#: 6

SEX: Female

DAY ON TEST: 603

DOSE: .4 G/KG HF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Small - Duodenum  
Lung  
Pancreas  
Stomach - Forestomach  
Trachea

Bone  
Esophagus  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Stomach - Glandular  
Urinary Bladder

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Mammary Gland  
Salivary Glands  
Thymus  
Uterus

OBSERVATIONS

Heart  
Intestine Large  
Kidney  
  
Liver  
Mesentery  
    Note: NECROSIS      TGLs = 2-13  
Nose  
Pituitary Gland  
  
Spleen

Colon  
Papilla  
Renal Tubule  
  
Fat  
  
Pars Distalis  
Pars Distalis

Cardiomyopathy  
Parasite  
Mineralization  
Pigmentation  
Basophilic Focus  
Necrosis  
  
Inflammation  
Cyst  
Hyperplasia  
Hematopoietic Cell Proliferation

Mild  
Minimal  
Minimal  
Mild  
Moderate  
  
Chronic Active, Mild  
  
Mild  
Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:14

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 106

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: .4 G/KG HF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Mammary Gland  
Parathyroid Gland  
Stomach - Glandular  
Uterus

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

Bone  
Esophagus  
Intestine Small - Duodenum  
Lung  
Ovary  
Skin  
Trachea

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Pancreas  
Stomach - Forestomach  
Urinary Bladder

MISSING

Adrenal Gland - Medulla

OBSERVATIONS

Heart  
Kidney  
Liver  
Pituitary Gland  
Spleen  
Thymus

Cardiomyopathy  
Nephropathy  
Pigmentation  
Basophilic Focus  
Leukemia Mononuclear  
Adenoma  
Leukemia Mononuclear  
Leukemia Mononuclear

Mild  
Minimal  
Mild

[ Leukemia Mononuclear TGLS = 2-3 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:14  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 107

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 722

**DOSE:** .4 G/KG HF

**DISP:** Moribund

**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	Nose
Ovary	Pancreas	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Trachea	Urinary Bladder
Uterus			

**MISSING**

Parathyroid Gland	Thymus
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**OBSERVATIONS**

Heart		Cardiomyopathy	Mild
Kidney	Papilla	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
Liver	Renal Tubule	Nephropathy	Minimal
		Pigmentation	Mild
		Basophilic Focus	
Lung		Carcinoma	Metastatic (Thyroid Gland)
Lymph Node	Mandibular	Carcinoma	Metastatic (Thyroid Gland)
	Mesenteric	Infiltration Cellular	Histiocyte, Mild
Note: THIS IS AN INVASIVE RATHER THAN A METASTATIC CARCINOMA			
Note: CARCINOMA TGLs = 4-9			
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	Bilateral, C Cell	Carcinoma	
		Mineralization	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:14  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 108

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** .4 G/KG HF

**DISP:** Terminal Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Blood	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lung	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite	Minimal
Islets, Pancreatic		Adenoma	
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung			
Note: MUCINOUS MATERIAL IN A FEW BRONCHIOLES			
Mammary Gland		Galactocele	
Pituitary Gland	Pars Distalis	Adenoma	Multiple
	Pars Distalis	Angiectasis	Mild
Note: ADENOMA TGLs = 2-8,3-8			
Spleen		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01

**Test Type:** CHRONIC

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Probenecid

**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 23:03:14

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

**Lab:** TSI MASON

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**ANIMAL ID:** 108

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 733

**DOSE:** .4 G/KG HF

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:14  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 109

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** .4 G/KG 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
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

**OBSERVATIONS**

Heart		Cardiomyopathy	Mild
Kidney	Papilla	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
		Leukemia Mononuclear	
	Note: LEUKEMIA MONUC TGLs = 4-3		
Lung		Leukemia Mononuclear	
Mesentery		Necrosis	Moderate
	Note: NECROSIS TGLs = 2-13		
Ovary		Cyst	
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
Note: ADENOMA TGLs = 5-8			
Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:14  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 110	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 639
	<b>DOSE:</b> .4 G/KG HF	<b>DISP:</b> Dead	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Islets, Pancreatic	Kidney
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Skin	Spleen	Stomach - Forestomach
Thymus	Trachea	Uterus	

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**MISSING**

Esophagus	Parathyroid Gland	Salivary Glands	Thyroid Gland
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**AUTO PRECLUDES DIAG.**

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

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**OBSERVATIONS**

Heart	Cardiomyopathy	Moderate
Liver	Basophilic Focus	
Lung	Edema	Minimal
	Infiltration Cellular	Histiocyte, Moderate
	Inflammation	Chronic Active, Mild

Note: INFILTRAT CELL TGLs = 1-1+2

Note: MACROPHAGES WITH PIGMENT. YELLOW 'OILY' GLOBULES

Note: IN ALVEOLI SUGGEST ASPIRATION.

Pituitary Gland	Pars Distalis	Adenoma
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Note: ADENOMA TGLs = 5-8

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:14

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 111

TRT#: 6

SEX: Female

DAY ON TEST: 557

DOSE: .4 G/KG HF

DISP: Dead

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	Islets, Pancreatic	Liver	Lung
Lymph Node - Mesenteric	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spinal Cord	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Uterus

MISSING

Urinary Bladder

OBSERVATIONS

Intestine Small Note: HYPERPLASIA TGLs = 4-7	Jejunum, Lymphoid Nodul	Hyperplasia	Mild
Kidney	Papilla	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
	Renal Tubule	Pigmentation	Minimal
Mammary Gland Note: FIBROADENOMA TGLs = 1-13		Fibroadenoma	
Nose Note: INFLAMMATORY CELLS, PLANT MATERIAL AND DEBRIS		Inflammation	Chronic Active, Mild
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild
Spleen		Infiltration Cellular	Histiocyte, Moderate
Thymus		Depletion Lymphoid	Marked

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:14

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 112

TRT#: 6

SEX: Female

DAY ON TEST: 526

DOSE: .4 G/KG HF

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Skin
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OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Intestine Large	Cecum	Parasite	Minimal
	Colon	Parasite	Minimal
Intestine Small	Ileum, Lymphoid Nodul	Hyperplasia	Mild
Note: BLOOD IN DUODENUM			
Note: HYPERPLASIA TGLs = 7-7			
Kidney	Cortex	Mineralization	Minimal
	Papilla	Mineralization	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
		Congestion	Mild
[ Basophilic Focus TGLS = 8-3 ]			
Lung		Hemorrhage	Moderate
Note: HEMORRHAGE TGLs = 5-1+2			
Note: PLANT MATERIAL IN THE LUMEN OF A BRONCHIOLE			
Lymph Node			
Note: MAST CELLS INCREASED IN MESENTERIC LYMPH NODE			
Spleen		Depletion Lymphoid	Mild
		Infiltration Cellular	Histiocyte, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01

**Test Type:** CHRONIC

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Probenecid

**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 23:03:14

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

**Lab:** TSI MASON

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**ANIMAL ID:** 112

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 526

**DOSE:** .4 G/KG HF

**DISP:** Dead

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:14  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 113

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** .4 G/KG 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
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Mammary Gland	Nose	Ovary	Parathyroid Gland
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

**OBSERVATIONS**

Heart		Cardiomyopathy	Mild
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
Note: ANOM HEPAT LOB TGLs = 3-3			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-8			
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Note: HYPERPLASIA TGLs = 4-8			
Salivary Glands	Acinus	Inflammation	Chronic Active, Minimal
	Duct	Metaplasia	Squamous, Minimal
Spleen		Leukemia Mononuclear	

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:14

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 114

TRT#: 6

SEX: Female

DAY ON TEST: 677

DOSE: .4 G/KG HF

DISP: Moribund

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	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
Heart		Cardiomyopathy	Mild
Kidney		Leukemia Mononuclear	
	Cortex	Mineralization	Minimal
	Papilla	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Mild
Liver		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 11-3			
Note: GREENISH YELLOW PIGMENT IN MANY ENDOTHELIAL CELLS			
Lung		Edema	Mild
		Fibrosis	Mild
		Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
Note: PERIVASCULAR AND PERIBRONCHIOLAR INFLAMMATION			
Note: HYPERPLASIA TGLs = 6-1+2			
Lymph Node	Mesenteric	Depletion Lymphoid	Mild
	Mediastinal	Infiltration Cellular	Histiocyte, Moderate

\* PROTOCOL REQUIRED TISSUE





Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:14

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 115

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: .4 G/KG HF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
Heart		Cardiomyopathy	Mild
Kidney	Papilla	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Fatty Change	Focal, Minimal
		Lymphoma Malignant Histiocytic	
		Mixed Cell Focus	
Note: POSSIBILITY OF PERIPORTAL FIBROSIS HAS Note: TO BE CONSIDERED			
Lung		Atelectasis	Moderate
		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Mild
		Mineralization	Minimal
Note: ATELECTASIS TGLs = 2-2			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Salivary Glands	Duct	Metaplasia	Squamous, Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
Uterus		Polyp Stromal	
Note: POLYP STROMAL TGLs = 3-6			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:14  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 116

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 624

**DOSE:** .4 G/KG HF

**DISP:** Moribund

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Eye
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Nose	Ovary	Pancreas
Parathyroid Gland	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**OBSERVATIONS**

Intestine Large	Colon	Parasite	Mild
Kidney	Papilla	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Mixed Cell Focus	
Note: [ MIXED CL FOCUS ] TGLs = 12-14			
Lymph Node	Mesenteric	Infiltration Cellular	Mast Cell, Mild
	Pancreatic	Infiltration Cellular	Histiocyte, Mild
Note: INFILTRAT CELL TGLs = 9-9,10-8			
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 3-13+13.1			
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
Note: CYST TGLs = 13-8			
Salivary Glands	Duct	Metaplasia	Squamous, Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
Uterus		Decidual Reaction	
		Polyp Stromal	
Note: MORE LIKE A STROMAL CARCINOMA			
Note: DECIDUAL REACT TGLs = 7-6			
Note: POLYP STROMAL TGLs = 6-6			

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:14

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 117

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: .4 G/KG HF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Clitoral Gland	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland
Nose	Ovary	Parathyroid Gland	Skin
Stomach - Forestomach	Thyroid Gland	Trachea	

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Blood		Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Intestine Large	Colon	Parasite	Minimal
Kidney		Leukemia Mononuclear	
	Cortex	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 6-1+2		
Lymph Node	Axillary	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 1-9,2-14,5-13,8-8,9-15		
Pancreas		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Intermed	Adenoma	
		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:14  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 117	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 734
	<b>DOSE:</b> .4 G/KG HF	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Salivary Glands	Duct	Metaplasia	Squamous, Mild
Spleen		Leukemia Mononuclear	
Note: TISSUE APPEARS AUTOLYZED [ Leukemia Mononuclear TGLS = 7-3 ]			
Stomach	Glandular	Leukemia Mononuclear	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Thymus		Leukemia Mononuclear	
Note: MORE LIKE LYMPHOCYTIC LEUKEMIA Note: LEUKEMIA MONUC TGLs = 4-2			
Urinary Bladder		Leukemia Mononuclear	
Uterus	Endometrium	Hemorrhage	Mild
		Hyperplasia	Adenomatous, Moderate
		Polyp Stromal	
Note: POLYP STROMAL TGLs = 3-6			

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:14

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 118

TRT#: 6

SEX: Female

DAY ON TEST: 216

DOSE: .4 G/KG HF

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Clitoral Gland  
Islets, Pancreatic  
Nose  
Pituitary Gland  
Stomach - Glandular  
Uterus

Bone  
Esophagus  
Kidney  
Ovary  
Salivary Glands  
Thyroid Gland

Bone Marrow  
Intestine Large - Colon  
Liver  
Pancreas  
Skin  
Trachea

Brain  
Intestine Small - Duodenum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Stomach - Forestomach  
Urinary Bladder

MISSING

Adrenal Gland - Medulla

Mammary Gland

AUTO PRECLUDES DIAG.

Intestine Large - Cecum

Intestine Large - Rectum

Intestine Small - Ileum

Intestine Small - Jejunum

OBSERVATIONS

Heart  
Lung

Mineralization  
Congestion  
Edema

Minimal  
Moderate  
Mild

[ Congestion TGLS = 6-1+2 ]

Spleen

Depletion Lymphoid  
Infiltration Cellular

Mild  
Histiocyte, Mild

Note: DEPLET LYMPH TGLs = 7-3

Thymus

Hemorrhage

Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:14

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 119

TRT#: 6

SEX: Female

DAY ON TEST: 495

DOSE: .4 G/KG HF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Blood Vessel	Artery	Inflammation	Chronic Active, Mild
Note: EITHER A LEUKEMIC INFILTRATE OR EARLY FIBRINOID NECROSIS			
Brain		Hemorrhage	Mild
		Leukemia Mononuclear	
Note: HEMORRHAGE TGLs = 4-5+5.1			
Heart		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
Nose			
Note: BLOOD IN NASAL CAVITY			
Ovary		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3-3 ]			
Uterus		Polyp Stromal	
Note: POLYP - NECROSED			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:14  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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**ANIMAL ID:** 119

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 495

**DOSE:** .4 G/KG HF

**DISP:** Moribund

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:14  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 120

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** .4 G/KG 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
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	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Heart		Cardiomyopathy	Mild
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Mild
Liver		Mixed Cell Focus	
		Neoplastic Nodule	
Note: COMPRESSION AND NOT CYTOLOGIC FEATURES.			
Note: THE LESION IS CALLED NEOPLASTIC NODULE BECAUSE OF			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Salivary Glands	Duct	Metaplasia	Squamous, Minimal
Spleen		Hematopoietic Cell Proliferation	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:14  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 121      **TRT#:** 6      **SEX:** Female      **DAY ON TEST:** 698  
**DOSE:** .4 G/KG HF      **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	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

**OBSERVATIONS**

Eye Note: CATARACT      TGLs = 1-13	Lens	Cataract	Moderate
Harderian Gland		Pigmentation	Mild
Kidney	Papilla	Mineralization	Mild
	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Regeneration	Focal, Mild
Lung		Leukemia Mononuclear	
Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Mild
	Pancreatic	Infiltration Cellular	Histiocyte, Mild
	Renal	Infiltration Cellular	Histiocyte, Moderate
	Mediastinal	Leukemia Mononuclear	
Note: INFILTRAT CELL      TGLs = 5-9,7-14			
Note: LEUKEMIA MONUC      TGLs = 3-2			
Mammary Gland		Galactocele	
Note: GALACTOCELE      TGLs = 2-13			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:14  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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**ANIMAL ID:** 121

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 698

**DOSE:** .4 G/KG HF

**DISP:** Moribund

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: ADENOMA TGLs = 9-8

Spleen

Leukemia Mononuclear

[ Leukemia Mononuclear TGLS = 4-3 ]

Thyroid Gland

C Cell

Carcinoma

Note: MANY FUSIFORM CELLS

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:14

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 122

TRT#: 6

SEX: Female

DAY ON TEST: 260

DOSE: .4 G/KG HF

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Ear	Heart	Intestine Large - Colon	Intestine Small - Ileum
Islets, Pancreatic	Liver	Lymph Node - Mesenteric	Nose
Ovary	Pituitary Gland	Skin	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Clitoral Gland	Esophagus	Intestine Small - Duodenum	Mammary Gland
Parathyroid Gland	Salivary Glands		

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Jejunum	Stomach - Glandular
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OBSERVATIONS

Adrenal Gland Note: CONGESTION TGLs = 3-8	Cortex	Congestion	Mild
Kidney	Cortex	Mineralization	Minimal
Lung [ Edema TGLS = 5-1+2 ]		Edema	Mild
		Hemorrhage	Moderate
Pancreas Note: HYPERPLASIA TGLs = 2-9	Acinus	Hyperplasia	Mild
Spleen		Infiltration Cellular	Histiocyte, Moderate
Stomach	Forestomach	Hemorrhage	Minimal
	Forestomach	Inflammation	Chronic Active, Mild
Trachea Note: CLUSTERS OF BACTERIA			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:14  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 123      **TRT#:** 6      **SEX:** Female      **DAY ON TEST:** 734  
**DOSE:** .4 G/KG 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
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mesenteric	Nose	Pancreas	Pituitary Gland
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Heart		Cardiomyopathy	Moderate
Kidney	Papilla	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 1-13		
Ovary		Cyst	
Salivary Glands	Duct	Metaplasia	Squamous, Minimal
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 2-3		
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:14  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 124

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** .4 G/KG HF

**DISP:** Terminal Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Mammary Gland	Uterus
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**OBSERVATIONS**

Clitoral Gland		Inflammation	Chronic Active, Minimal
Intestine Large	Colon	Parasite	Mild
Kidney	Papilla	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Fatty Change	Focal, Minimal
		Mixed Cell Focus	
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Salivary Glands	Duct	Metaplasia	Squamous, Minimal
Spleen		Leukemia Mononuclear	
Thyroid Gland	C Cell	Hyperplasia	Minimal

Note: A FEW LARGE FOLLICLES

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:14

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 125

TRT#: 6

SEX: Female

DAY ON TEST: 288

DOSE: .4 G/KG HF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Stomach - Forestomach  
Trachea

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Pituitary Gland  
Stomach - Glandular  
Urinary Bladder

Bone  
Heart  
Intestine Small - Duodenum  
Liver  
Ovary  
Salivary Glands  
Thymus  
Uterus

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lung  
Pancreas  
Skin  
Thyroid Gland

MISSING

Mammary Gland

OBSERVATIONS

Esophagus		Inflammation	Chronic Active, Minimal
Note: INFLAMMATION	TGLs = 10-7		
Intest Small			
Note: PROPRIA OF DUODENUM			
Note: GLANDS AND INFLAMMATORY CELLS IN LAMINA			
Note: INCREASED MITOTIC ACTIVITY IN CELLS LINING			
Kidney	Pelvis	Mineralization	Minimal
	Renal Tubule	Pigmentation	Minimal
Lung			
Note: PLANT MATERIAL AND BACTERIA IN A FEW BRONCHIOLES			
Spleen		Depletion Lymphoid	Mild
		Infiltration Cellular	Histiocyte, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:14  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 126	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 94
	<b>DOSE:</b> .4 G/KG HF	<b>DISP:</b> Dead	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Heart	Islets, Pancreatic	Liver
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

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**MISSING**

Clitoral Gland	Mammary Gland	Parathyroid Gland	
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**AUTO PRECLUDES DIAG.**

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

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**OBSERVATIONS**

Adrenal Gland	Cortex	Hemorrhage	Mild
Kidney	Papilla	Mineralization	Minimal
Lung		Congestion	Moderate
		Edema	Minimal
Note: IN A FEW BRONCHIOLES			
Note: CLUSTERS OF BACTERIAL COLONIES. PLANT MATERIAL			
[ Congestion TGLS = 1-1+2 ]			
Spleen		Depletion Lymphoid	Mild
		Infiltration Cellular	Histiocyte, Mild
Thymus		Necrosis	Mild

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:14

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 127

TRT#: 6

SEX: Female

DAY ON TEST: 721

DOSE: .4 G/KG HF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Rectum  
Islets, Pancreatic  
Parathyroid Gland  
Thyroid Gland

Bone  
Esophagus  
Intestine Small - Duodenum  
Mammary Gland  
Skin  
Trachea

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Nose  
Stomach - Forestomach  
Urinary Bladder

OBSERVATIONS

Heart  
Kidney

Cortex  
Pelvis

Renal Tubule

Liver

Cardiomyopathy  
Mineralization  
Mineralization  
Nephropathy  
Pigmentation  
Basophilic Focus  
Leukemia Mononuclear  
Neoplastic Nodule

Mild  
Mild  
Minimal  
Minimal  
Mild

Note: NEOPLASTIC NOD TGLs = 5-3

Lung  
Lymph Node  
Ovary  
Pituitary Gland

Mesenteric

Pars Distalis  
Pars Intermed

Salivary Glands

Duct  
Duct

Infiltration Cellular  
Leukemia Mononuclear  
Cyst  
Hyperplasia  
Hyperplasia  
Metaplasia  
Mineralization  
Leukemia Mononuclear

Histiocyte, Minimal  
  
  
Mild  
Mild  
Squamous, Minimal  
Minimal

Spleen

Note: LEUKEMIA MONUC TGLs = 1-3

Thymus  
Uterus

Leukemia Mononuclear  
Leiomyosarcoma

Note: LEIOMYOSAR TGLs = 2-6+13

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:14  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 128

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 705

**DOSE:** .4 G/KG HF

**DISP:** Moribund

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Harderian Gland	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Nose	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

**OBSERVATIONS**

Adrenal Gland	Medulla	Hyperplasia	Minimal
Eye	Lens	Cataract	Mild
Note: CATARACT	TGLs = 1-13		
Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
Islets, Pancreatic		Adenoma	
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Mild
Liver		Leukemia Mononuclear	
		Necrosis	Marked
Note: NECROSIS	TGLs = 13-3		
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 9-2,11-8,14-14		
Mammary Gland		Galactocele	
Note: GALACTOCELE	TGLs = 3-13		
Ovary		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:14  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 128

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 705

**DOSE:** .4 G/KG HF

**DISP:** Moribund

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: ADENOMA TGLs = 15-8  
Spleen

Hemorrhage Mild  
Leukemia Mononuclear  
Necrosis Mild

Note: LEUKEMIA MONUC TGLs = 4-3.1,5-3.1,6-3.1,7-3.1,8-3.1  
Stomach

Forestomach Acanthosis Mild  
Glandular Leukemia Mononuclear  
Glandular Necrosis Mild

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

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:14

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 129

TRT#: 6

SEX: Female

DAY ON TEST: 652

DOSE: .4 G/KG HF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

Adrenal Gland - Medulla  
Esophagus  
Intestine Small - Duodenum  
Lung  
Parathyroid Gland  
Stomach - Forestomach  
Trachea

Bone  
Intestine Large - Cecum  
Intestine Small - Ileum  
Nose  
Pituitary Gland  
Stomach - Glandular  
Urinary Bladder

Bone Marrow  
Intestine Large - Colon  
Intestine Small - Jejunum  
Ovary  
Salivary Glands  
Thymus

MISSING

Clitoral Gland                      Mammary Gland

OBSERVATIONS

Heart  
Kidney  
  
Liver  
  
Lymph Node  
    Note: INFILTRAT CELL   TGLs = 7-8  
Mesentery  
    Note: [ SARC STROMAL ]   TGLs = 5-9+13  
Spleen  
Uterus  
    Note: SARC STROMAL    TGLs = 4-6

Renal Tubule  
  
Bile Duct  
Mesenteric

Cardiomyopathy  
Nephropathy  
Pigmentation  
Basophilic Focus  
Hyperplasia  
Infiltration Cellular  
  
Sarcoma Stromal  
  
Hematopoietic Cell Proliferation  
Sarcoma Stromal

Mild  
Minimal  
Mild  
  
Mild  
Histiocyte, Mild  
  
Metastatic (Uncertain Primary Site)  
  
Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:14  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 130

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 592

**DOSE:** .4 G/KG HF

**DISP:** Moribund

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Bone	Bone Marrow	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Uterus	

**MISSING**

Thymus

**OBSERVATIONS**

Adrenal Gland	Medulla	Hyperplasia	Minimal
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Cortex	Vacuolization Cytoplasmic	Mild
Heart		Leukemia Mononuclear	
Kidney	Papilla	Mineralization	Mild
	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
		[ Leukemia Mononuclear TGLS = 5-3 ]	
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Hematopoietic Cell Proliferation	Mild
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Ovary		Granulosa Cell Tumor Benign	
Salivary Glands		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
		[ Leukemia Mononuclear TGLS = 2-3 ]	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:14  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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**ANIMAL ID:** 130

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 592

**DOSE:** .4 G/KG HF

**DISP:** Moribund

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Urinary Bladder

Leukemia Mononuclear

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:14  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 131      **TRT#:** 6      **SEX:** Female      **DAY ON TEST:** 732  
**DOSE:** .4 G/KG HF      **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	Lung	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**OBSERVATIONS**

Clitoral Gland		Adenoma	
		Necrosis	Moderate
Note: ADENOMA	TGLs = 3-10.1		
Heart		Cardiomyopathy	Mild
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
Note: BASOPH FOCUS	TGLs = 9-3		
Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Moderate
Note: INFILTRAT CELL	TGLs = 8-8		
Mesentery	Fat	Mineralization	Mild
	Fat	Necrosis	Marked
Note: NECROSIS	TGLs = 4-13		
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
Note: ADENOMA	TGLs = 10-8		
Spleen		Hematopoietic Cell Proliferation	Mild
Uterus	Bilateral	Abscess	Moderate
Note: ABSCESS	TGLs = 5-6,6-6		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Test Compound: Probenecid  
 CAS Number: 57-66-9

Date Report Requested: 10/21/2014  
 Time Report Requested: 23:03:14  
 First Dose M/F: NA / NA  
 Lab: TSI MASON

ANIMAL ID: 132

TRT#: 6

SEX: Female

DAY ON TEST: 649

DOSE: .4 G/KG HF

DISP: Moribund

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	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea

**MISSING**

Adrenal Gland - Medulla	Clitoral Gland	Mammary Gland
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**OBSERVATIONS**

Adrenal Gland	Cortex	Adenoma	
	Cortex	Leukemia Mononuclear	
Note: ADENOMA	TGLs = 8-8		
Heart		Leukemia Mononuclear	
Kidney	Papilla	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 9-3 ]			
Lung		Hemorrhage	Minimal
		Leukemia Mononuclear	
[ Hemorrhage TGLS = 4-1+2 ]			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-2,7-9,11-8		
Ovary		Leukemia Mononuclear	
Pituitary Gland		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 10-8		
Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 6-3 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01

**Test Type:** CHRONIC

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Probenecid

**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 23:03:14

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

**Lab:** TSI MASON

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**ANIMAL ID:** 132

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 649

**DOSE:** .4 G/KG HF

**DISP:** Moribund

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

Thymus

Leukemia Mononuclear

Urinary Bladder

Leukemia Mononuclear

Uterus

Leukemia Mononuclear

Note: MORE LIKE MALIGNANT LYMPHOMA

Note: LEUKEMIA MONUC TGLs = 5-6

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:14

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 133

TRT#: 6

SEX: Female

DAY ON TEST: 512

DOSE: .4 G/KG HF

DISP: Moribund

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	Lung	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Parathyroid Gland	Thymus
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OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney	Pelvis	Mineralization	Minimal
	Renal Tubule	Nephropathy	Minimal
		Pigmentation	Minimal
Note: MINERALIZATION TGLs = 5-4			
Liver		Basophilic Focus	
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-13			
Ovary			
Note: A NEST OF CELLS RESEMBLING A MESOTHELIOMA			
Note: IN THE OVARY CIRCLED BY INK.			
Spleen		Hematopoietic Cell Proliferation	Mild
Note: HEMA CELL PROL TGLs = 3-3			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:14

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 134

TRT#: 6

SEX: Female

DAY ON TEST: 592

DOSE: .4 G/KG HF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Mammary Gland  
Pituitary Gland  
Stomach - Glandular  
Urinary Bladder

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

Bone  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Ovary  
Skin  
Thyroid Gland

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Lung  
Pancreas  
Stomach - Forestomach  
Trachea

MISSING

Parathyroid Gland

OBSERVATIONS

Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
Lymph Node	Mesenteric	Angiectasis	Mild
	Mediastinal	Infiltration Cellular	Histiocyte, Mild
	Mesenteric	Infiltration Cellular	Histiocyte, Mild
Note: ANGIECTASIS TGLs = 6-8			
Spleen		Hematopoietic Cell Proliferation	Mild
		Infiltration Cellular	Histiocyte, Mild
Uterus		Polyp Stromal	
Note: POLYP STROMAL TGLs = 4-6			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01

**Test Type:** CHRONIC

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Probenecid

**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 23:03:14

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

**Lab:** TSI MASON

**ANIMAL ID:** 135

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 605

**DOSE:** .4 G/KG HF

**DISP:** Moribund

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Mammary Gland  
Parathyroid Gland  
Stomach - Forestomach  
Urinary Bladder

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Pituitary Gland  
Stomach - Glandular

Bone  
Esophagus  
Intestine Small - Duodenum  
Lung  
Ovary  
Salivary Glands  
Thyroid Gland

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Pancreas  
Skin  
Trachea

**OBSERVATIONS**

Heart  
Kidney  
Liver  
Spleen  
Thymus

Renal Tubule

Cardiomyopathy  
Pigmentation  
Basophilic Focus  
Hematopoietic Cell Proliferation  
Cyst

Mild  
Minimal  
Moderate

Note: NECROTIC DEBRIS IN LUMEN OF CYST

Uterus

Sarcoma Stromal

Note: POSSIBILITY OF LEIOMYOSARCOMA HAS TO BE CONSIDERED

Note: SARC STROMAL TGLs = 2-6

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:14

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 136

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: .4 G/KG 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
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

**MISSING**

Mammary Gland

**OBSERVATIONS**

Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite	Minimal
Islets Panc			
Note: A FEW HEPATOCYTES AROUND AN ISLET			
Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Mixed Cell Focus	
Note: ANOM HEPAT LOB TGLs = 2-3			
Parathyroid GI			
Note: HEMATOCYST OR A DISTENDED BLOOD VESSEL			
Spleen		Hematopoietic Cell Proliferation	Mild
		Sarcoma	
Note: SARCOMA TGLs = 1-3			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:14  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 137

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** .4 G/KG 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
Harderian Gland	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

**OBSERVATIONS**

Eye	Retina	Atrophy	Mild
		Synechia	Mild
Note: SYNECHIA	TGLs = 1-10		
Heart		Cardiomyopathy	Mild
Kidney	Pelvis	Mineralization	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
Note: A FEW LARGE BASOPHILIC FOCI IN SECTION OF CAUDAL LOBE			
Lung		Infiltration Cellular	Histiocyte, Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Infiltration Cellular	Histiocyte, Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:14  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 138

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 561

**DOSE:** .4 G/KG HF

**DISP:** Moribund

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Ear	Esophagus
Harderian Gland	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Nose	Ovary	Pancreas	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	Uterus

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Eye	Lens	Cataract	Moderate
Note: CATARACT	TGLs = 3-13		
Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
Kidney	Papilla	Mineralization	Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Leukemia Mononuclear	
		Regeneration	Focal, Mild
Note: LEUKEMIA MONUC	TGLs = 4-3		
Lung	Alveolar Epith	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 5-1+2		
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Mammary Gland		Galactocele	
Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	

[ Hematopoietic Cell Proliferation TGLS = 6-3 ]

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:14  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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**ANIMAL ID:** 138

**TRT#:** 6  
**DOSE:** .4 G/KG HF

**SEX:** Female  
**DISP:** Moribund

**DAY ON TEST:** 561  
**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Thymus  
PRIMARY CAUSE OF DEATH

Leukemia Mononuclear

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:14

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 139

TRT#: 6

SEX: Female

DAY ON TEST: 266

DOSE: .4 G/KG HF

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 - Jejunum	Islets, Pancreatic	Liver	Lung
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Pituitary Gland	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Intestine Small - Ileum	Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Intest Small			
Note: IN LAMINA PROPRIA			
Note: DUODENUM:FLATTENED VILLI AND INFLAMMATORY CELLS			
Kidney	Cortex	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
	Renal Tubule	Pigmentation	Minimal
Salivary Glands	Duct	Metaplasia	Squamous, Mild
Spleen		Infiltration Cellular	Histiocyte, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:14  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

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<b>ANIMAL ID:</b> 140	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 270
	<b>DOSE:</b> .4 G/KG HF	<b>DISP:</b> Dead	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Heart
Intestine Large - Colon	Islets, Pancreatic	Liver	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

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**MISSING**

Intestine Large - Rectum	Mammary Gland
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**AUTO PRECLUDES DIAG.**

Intestine Large - Cecum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Stomach - Forestomach	Stomach - Glandular		

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**OBSERVATIONS**

Kidney		Cyst	
	Cortex	Mineralization	Minimal
	Renal Tubule	Pigmentation	Minimal
Note: CYST      TGLs = 5-4			
Lung		Edema	Mild
Spleen		Infiltration Cellular	Histiocyte, Moderate
Note: INFILTRAT CELL      TGLs = 4-3			

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**PRIMARY CAUSE OF DEATH**      -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:14

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 141

TRT#: 6

SEX: Female

DAY ON TEST: 670

DOSE: .4 G/KG HF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Clitoral Gland
Esophagus	Harderian Gland	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lacrimal Gland	Mammary Gland	Nose
Parathyroid Gland	Salivary Glands	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Histiocytic Sarcoma	
	Medulla	Histiocytic Sarcoma	
	Cortex	Vacuolization Cytoplasmic	Mild
Note: [ HISTIO SARC ] TGLs = 17-8			
Heart		Cardiomyopathy	Mild
Kidney	Papilla	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
		Fatty Change	Focal, Minimal
		Histiocytic Sarcoma	
Note: [ HISTIO SARC ] TGLs = 18-3			
Lung		Histiocytic Sarcoma	
Lymph Node	Mediastinal	Infiltration Cellular	Histiocyte, Mild
	Mesenteric	Infiltration Cellular	Histiocyte, Mild
Note: CELLULAR INFILTRATE AROUND THAN IN THE NODES			
Note: MAST CELLS INCREASED IN MESENTERIC LYMPH NODE			
Note: INFILTRAT CELL TGLs = 8-2			
Note: INFILTRAT CELL TGLs = 14-8			
Mesentery		Histiocytic Sarcoma	
	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 15-13			
Note: [ HISTIO SARC ] TGLs = 16-9+13			

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:14

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 141

TRT#: 6

SEX: Female

DAY ON TEST: 670

DOSE: .4 G/KG HF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Ovary		Histiocytic Sarcoma	
Note: [ HISTIO SARC ]	TGLs = 9-6,10-6		
Pancreas		Histiocytic Sarcoma	
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
Note: ADENOMA	TGLs = 19-8		
Skin		Histiocytic Sarcoma	
Note: [ HISTIO SARC ]	TGLs = 3-14,4-15,5-14		
Spleen		Hematopoietic Cell Proliferation	Mild
Stomach	Forestomach	Histiocytic Sarcoma	
	Glandular	Histiocytic Sarcoma	
Uterus		Polyp Stromal	
Note: HEMORRHAGE AND NECROSIS IN POLYP			
Note: POLYP STROMAL	TGLs = 11-6		

PRIMARY CAUSE OF DEATH

-

Animal Note: VED AND THE LARGE CELLS HAVE A ROUND OR

Animal Note: BECAUSE SPLEEN DOES NOT APPEAR TO BE INVOL-

Animal Note: LYMPHOMA RATHER THAN MONONUCLEAR LEUKEMIA

Animal Note: THIS NEOPLASM IS CALLED AS UNDIFFERENTIATED

Animal Note: OR RENIFORM NUCLEI

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:14  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 142

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 734

**DOSE:** .4 G/KG HF

**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	Lung	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

**OBSERVATIONS**

Adrenal Gland	Medulla	Hyperplasia	Mild
Intestine Large	Colon	Parasite	Minimal
Kidney	Papilla	Mineralization	Minimal
	Pelvis	Mineralization	Minimal
	Renal Tubule	Nephropathy	Mild
		Pigmentation	Mild
Liver		Basophilic Focus	
Ovary		Arrhenoblastoma Benign	
		Cyst	
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	Pars Intermed	Angiectasis	Minimal
Note: MULTIPLE (3) ADENOMAS			
Salivary Glands	Duct	Metaplasia	Squamous, Minimal
Spleen		Infiltration Cellular	Histiocyte, Mild
Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Hyperplasia	Moderate
Uterus		Polyp Stromal	

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:14

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 143

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: .4 G/KG HF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Adrenal Gland - Cortex	Adrenal Gland - Medulla
------------------------	-------------------------

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Hyperplasia	Moderate
Kidney	Pelvis	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
Lung	Alveolar Epith	Hyperplasia	Moderate
		Infiltration Cellular	Histiocyte, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
Note: ADENOMA TGLs = 2-8			
Skin		Cyst Epithelial Inclusion	
		Hyperkeratosis	Moderate
Note: THIS LESION APPEARS TO BE OF THE DUCTAL EPITHELIUM			
Note: OF THE CLITORAL GLAND RATHER THAN SKIN.			
Note: HYPERKERATOSIS TGLs = 1-13			
Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:14

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 144

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: .4 G/KG 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
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	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Brain			
Note: BLOOD AROUND THE MENINGES			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	
Salivary Glands	Duct	Metaplasia	Squamous, Minimal
Note: VACUOLES IN CYTOPLASM OF ACINAR CELLS			
Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:14

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 145

TRT#: 6

SEX: Female

DAY ON TEST: 604

DOSE: .4 G/KG HF

DISP: Gavage Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Nose  
Salivary Glands  
Thymus

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Rectum  
Islets, Pancreatic  
Ovary  
Skin  
Trachea

Bone  
Esophagus  
Intestine Small - Duodenum  
Liver  
Pancreas  
Stomach - Forestomach  
Urinary Bladder

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

MISSING

Mammary Gland

OBSERVATIONS

Heart

Cardiomyopathy

Mild

Kidney

Papilla

Mineralization

Minimal

Renal Tubule

Pigmentation

Minimal

Lung

Congestion

Moderate

Edema

Mild

Note: YELLOW GLOBULES IN ALVEOLI.

Note: CONGESTION TGLs = 2-1+2

[ Congestion TGLS = 1-1+2 ]

Pituitary Gland

Pars Distalis

Angiectasis

Mild

Pars Distalis

Cyst

Pars Distalis

Hyperplasia

Mild

Note: [ HYPERPLASIA ] TGLs = 4-8

Spleen

Hematopoietic Cell Proliferation

Mild

Infiltration Cellular

Histiocyte, Moderate

Thyroid Gland

Follicular Cel

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:14

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 146

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: .4 G/KG HF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Mammary Gland  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Skin  
Thymus  
Uterus

Bone  
Esophagus  
Intestine Small - Duodenum  
Lung  
Ovary  
Spleen  
Thyroid Gland

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Pancreas  
Stomach - Forestomach  
Trachea

MISSING

Parathyroid Gland

OBSERVATIONS

Heart  
Kidney  
  
  
  
Liver  
  
Pituitary Gland  
Note: ADENOMA TGLs = 3-8,4-8

Papilla  
Pelvis  
  
Renal Tubule  
  
  
Pars Distalis

Cardiomyopathy  
Mineralization  
Mineralization  
Nephropathy  
Pigmentation  
Basophilic Focus  
Clear Cell Focus  
Adenoma

Mild  
Minimal  
Minimal  
Minimal  
Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:14

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 147

TRT#: 6

SEX: Female

DAY ON TEST: 658

DOSE: .4 G/KG HF

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Clitoral Gland	Esophagus
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Islets, Pancreatic
Nose	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland

AUTO PRECLUDES DIAG.

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

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 9-8		
Brain		Leukemia Mononuclear	
Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
	Cortex	Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Minimal
Note: LEUKEMIA MONUC	TGLs = 10-4		
Liver		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 6-2,8-8,3-9,11-14,		
Note: HEPATIC LN (TGL#12) NOT IN PCT			
Mammary Gland	Acinus	Hyperplasia	Mild
Note: HYPERPLASIA	TGLs = 2-13		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Probenecid  
**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 23:03:14  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 147

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 658

**DOSE:** .4 G/KG HF

**DISP:** Dead

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Ovary		Leukemia Mononuclear	
Pancreas		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 7-9		
Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ]	TGLs = 14-8		
Salivary Glands		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-3		
Thymus		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 5-2		
Uterus		Leukemia Mononuclear	

**PRIMARY CAUSE OF DEATH**

-

Animal Note: MANY TISSUES AUTOLYZED

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:14

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 148

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: .4 G/KG 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
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-3			
Note: ANOM HEPAT LOB TGLs = 6-3			
Lung		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
Note: CYST TGLs = 7-8			
Note: HYPERPLASIA TGLs = 8-8			
Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
[ Hematopoietic Cell Proliferation TGLS = 4-3 ]			
Thyroid Gland	C Cell	Hyperplasia	Minimal
Uterus		Polyp Stromal	
Note: POLYP STROMAL TGLs = 2-6			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:14

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 149

TRT#: 6

SEX: Female

DAY ON TEST: 203

DOSE: .4 G/KG HF

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Clitoral Gland	Parathyroid Gland	Thyroid Gland
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OBSERVATIONS

Brain	Cerebrum	Hemorrhage	Mild
Kidney	Cortex	Inflammation	Acute, Moderate
	Cortex	Mineralization	Mild
	Papilla	Mineralization	Mild
	Pelvis	Mineralization	Minimal
	Papilla	Necrosis	Moderate
	Renal Tubule	Pigmentation	Minimal
Note: MORE LIKE PYELONEPHRITIS			
Note: NECROSIS TGLs = 9-4			
Liver		Necrosis	Minimal
Lung		Congestion	Moderate
		Edema	Mild
		Inflammation	Chronic Active, Mild
[ Edema TGLs = 2-1+2 ]			
Mesentery	Fat	Hemorrhage	Mild
Note: HEMORRHAGE TGLs = 6-9			
Spleen		Depletion Lymphoid	Mild
		Infiltration Cellular	Histiocyte, Moderate
Note: DEPLET LYMPH TGLs = 7-3			
Urinary Bladder		Hemorrhage	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05030-01

**Test Type:** CHRONIC

**Route:** GAVAGE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Probenecid

**CAS Number:** 57-66-9

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 23:03:14

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

**Lab:** TSI MASON

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**ANIMAL ID:** 149

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 203

**DOSE:** .4 G/KG HF

**DISP:** Dead

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Transit Epithe

Hyperplasia

Minimal

Necrosis

Moderate

Note: NECROSIS TGLs = 3-9+9.1

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05030-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Probenecid

CAS Number: 57-66-9

Date Report Requested: 10/21/2014

Time Report Requested: 23:03:14

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 150

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: .4 G/KG 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
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite	Minimal
Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	
Lung		Infiltration Cellular	Histiocyte, Minimal
Salivary Glands	Duct	Inflammation	Chronic Active, Minimal
	Duct	Metaplasia	Squamous, Mild
Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	Follicular Cel	Adenoma	
Uterus		Adenoma	
		Polyp Stromal	

Note: [ ADENOMA ] TGLs = 2-6

Note: AND COLLAGENOUS STROMA BELOW THE HYPERPLASTIC EPITHELIUM.

Note: A NEST OF CELLS WITH CLEAR OR EOSINOPHILIC CYTOPLASM

Note: POLYP STROMAL TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

\*\* END OF REPORT \*\*

\* PROTOCOL REQUIRED TISSUE