

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

C Number: C56586
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: 05/26/1987

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 1

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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	Lymph Node - Mandibular	Nose
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex Bilateral, Medulla	Hyperplasia Pheochromocytoma Benign	Mild
Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney		Nephropathy	Chronic, Diffuse, Marked
Liver		Basophilic Focus Hematopoietic Cell Proliferation	Multiple Multifocal, Mild
Mammary Gland	Bile Duct	Hyperplasia	Multifocal, Moderate
Pancreas		Hyperplasia	Cystic, Multifocal, Moderate
Pituitary Gland	Pars Distalis	Inflammation	Chronic, Diffuse, Mild
Note: ADENOMA TGLs = 1-7		Adenoma	
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Prostate		Inflammation	Chronic Active, Multifocal, Mild
Testes	Bilateral, Interstit Cell Germinal Epith Interstit Cell	Adenoma Atrophy Hyperplasia	Marked Mild
Note: ADENOMA TGLs = 2-10			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 2	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: 0 UG/KG	DISP: Terminal Sacrifice	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	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

MISSING

Lymph Node - Mandibular	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
Blood		Leukemia Mononuclear	
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Nephropathy	Chronic, Diffuse, Moderate
Liver	Bile Duct	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Mild
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
Preputial Gland		Inflammation	Chronic Active, Multifocal, Moderate
Skin		Squamous Cell Papilloma	
Note: PAPILLOMA SQUA	TGLs = 1-11		
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 2-1		
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA	TGLs = 3-10		
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 2

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 3

TRT#: 1

SEX: Male

DAY ON TEST: 486

DOSE: 0 UG/KG

DISP: Gavage Death

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	Lymph Node - Mandibular
Nose	Pancreas	Pituitary Gland	Prostate
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Heart		Degeneration	Chronic, Multifocal, Mild
Kidney	Vein	Dilatation	Focal, Marked
		Nephropathy	Chronic, Diffuse, Moderate
Note: TGL2-1 KIDNEY CYST IS DILATED BLOOD VESSEL			
Note: DILATATION TGLs = 2-1			
Liver		Congestion	Marked
Lung		Congestion	Moderate
		Foreign Body	Multifocal, Moderate
Note: CONGESTION TGLs = 1-2,1-3			
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Spleen		Depletion Lymphoid	Moderate
Testes	Interstit Cell	Hyperplasia	Mild
Note: HYPERPLASIA TGLs = 3-10			

PRIMARY CAUSE OF DEATH

-

Animal Note: PROBABLE COD GAVAGE ERROR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 4

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

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	Lung	Lymph Node - Mandibular
Nose	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney		Nephropathy	Chronic, Diffuse, Mild
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Mild
Pancreas	Acinus	Adenoma	
	Acinus	Atrophy	Mild
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Prostate		Inflammation	Chronic Active, Multifocal, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate
	Interstit Cell	Hyperplasia	Mild

Note: ADENOMA TGLs = 1-10

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 5	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: 0 UG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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 - Mandibular	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Medulla	Pheochromocytoma Benign	
Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney	Renal Tubule	Hyperplasia	Mild
		Nephropathy	Chronic, Diffuse, Moderate
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Mild
Lung		Mineralization	Focal, Mild
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 3-7			
Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Chronic Active, Multifocal, Mild
Prostate		Inflammation	Chronic Active, Multifocal, Mild
Spleen		Fibrosarcoma	
Note: FIBROSARC TGLs = 2-11			
Testes	Interstitial Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
	Interstitial Cell	Hyperplasia	Mild
Note: ADENOMA TGLs = 1-10			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 6 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 729
DOSE: 0 UG/KG **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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 - Mandibular	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Medulla	Hyperplasia	Mild
Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney		Nephropathy	Chronic, Diffuse, Moderate
Liver		Basophilic Focus	Multiple
		Degeneration	Cystic, Focal, Mild
	Bile Duct	Hyperplasia	Multifocal, Mild
		Inflammation	Chronic Active, Multifocal, Mild
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Mild
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Skin		Cyst Epithelial Inclusion	
	Subcut Tiss	Fibrosarcoma	
Note: CYST EPITH INC	TGLs = 1-12		
Note: FIBROSARC	TGLs = 2-11		
Spleen	Red Pulp	Fibrosis	Moderate
Note: FIBROSIS	TGLs = 3-1		
Testes	Interstitial Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
	Interstitial Cell	Hyperplasia	Mild
Note: ADENOMA	TGLs = 4-10		
Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 6

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 7	TRT#: 1	SEX: Male	DAY ON TEST: 10
	DOSE: 0 UG/KG	DISP: Gavage Death	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	Kidney
Nose	Pancreas	Prostate	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Parathyroid Gland

OBSERVATIONS

Heart		Inflammation	Chronic, Focal, Mild
Liver	Centrilobular	Vacuolization Cytoplasmic	Diffuse, Mild
Lung		Edema	Acute, Diffuse, Moderate
		Foreign Body	Multifocal, Moderate
Lymph Node	Mandibular	Necrosis	Acute, Multifocal, Mild
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pituitary Gland	Pars Intermed	Cyst	
Preputial Gland	Duct	Ectasia	Moderate
Spleen		Depletion Lymphoid	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: PROBABLE COD GAVAGE ERROR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 8	TRT#: 1	SEX: Male	DAY ON TEST: 377
	DOSE: 0 UG/KG	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 - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Nose
Parathyroid Gland	Pituitary Gland	Preputial Gland	Prostate
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Harderian Gland

OBSERVATIONS

Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Nephropathy	Chronic, Diffuse, Mild
Liver	Centrilobular	Vacuolization Cytoplasmic	Diffuse, Mild
Lung		Edema	Acute, Diffuse, Mild
		Foreign Body	Multifocal, Moderate
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Pancreas	Acinus	Atrophy	Mild
Salivary Glands	Acinus	Adenoma	
Testes	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

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Animal Note: PROBABLE COD GAVAGE ERROR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 9	TRT#: 1 DOSE: 0 UG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Harderian Gland
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Lymph Node - Mandibular	Nose	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

MISSING

Parathyroid Gland

OBSERVATIONS

Heart		Degeneration	Chronic, Multifocal, Mild
Intestine Large	Rectum	Parasite Metazoan	
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Chronic, Diffuse, Mild
Liver		Basophilic Focus	Multiple
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Multifocal, Mild
Lung		Foreign Body	Multifocal, Mild
	Interstitium	Inflammation	Chronic Active, Multifocal, Mild
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Pancreas	Duct	Ectasia	Multifocal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA TGLs = 2-10			
Thyroid Gland	Follicular Cel	Carcinoma	
Note: CARCINOMA TGLs = 1-7			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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	Prostate	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
	Medulla	Hyperplasia	Mild
	Medulla	Pheochromocytoma Benign	
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Nephropathy	Chronic, Diffuse, Mild
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Preputial Gland		Inflammation	Chronic Active, Multifocal, Moderate
Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-11]		
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
Note: ADENOMA	TGLs = 2-10		
Thyroid Gland	Follicle	Cyst	
	C Cell	Hyperplasia	Mild
	Follicular Cel	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

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	Lung	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Preputial Gland	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney		Nephropathy	Chronic, Diffuse, Mild
Liver		Basophilic Focus	Multiple
		Hepatocellular Carcinoma	Multiple
	Bile Duct	Hyperplasia	Multifocal, Mild
Note: HEPATOCLR CARC TGLs = 3-4,3-12			
Prostate		Inflammation	Chronic Active, Multifocal, Mild
Skin	Subcut Tiss	Fibroma	
Note: FIBROMA TGLs = 2-11			
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
Note: ADENOMA TGLs = 1-10			
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

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 - Ileum
Intestine Small - Jejunum	Lymph Node - Mandibular	Nose	Parathyroid Gland
Prostate	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Note: PHEOCHROM BGN	TGLs = 4-7		
Heart		Degeneration	Chronic, Multifocal, Moderate
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Chronic, Diffuse, Mild
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Moderate
		Inflammation	Chronic Active, Multifocal, Mild
	Centrilobular	Vacuolization Cytoplasmic	Diffuse, Mild
Lung	Interstitial	Inflammation	Chronic Active, Multifocal, Mild
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Pancreas	Acinus	Atrophy	Mild
	Acinus	Focal Cellular Change	
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Adenoma	
	Duct	Ectasia	Moderate
		Inflammation	Chronic Active, Multifocal, Mild
Note: ADENOMA	TGLs = 1-11		
Skin	Subcut Tiss	Inflammation	Chronic Active, Diffuse, Marked
Note: INFLAMMATION	TGLs = 1-11		
Spleen	Red Pulp	Fibrosis	Mild
		Infiltration Cellular	Lipocyte, Multifocal, Moderate
Note: FIBROSIS	TGLs = 2-1		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 12	TRT#: 1 DOSE: 0 UG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Testes	Bilateral, Interstit Cell Germinal Epith Interstit Cell	Adenoma Atrophy Hyperplasia	Marked Mild
Note: ADENOMA TGLs = 3-10			
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: SKIN MASS TGL1-11 IS PREPUTIAL GLAND ADENOMA

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

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 Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Nose
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Heart		Degeneration	Chronic, Multifocal, Moderate
Intestine Large	Rectum	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Diffuse, Moderate
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Moderate
		Inflammation	Chronic Active, Multifocal, Mild
	Centrilobular	Vacuolization Cytoplasmic	Diffuse, Mild
Lung	Interstitial	Inflammation	Chronic Active, Multifocal, Moderate
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Pancreas	Acinus	Atrophy	Mild
	Acinus	Focal Cellular Change	
Preputial Gland		Inflammation	Chronic Active, Multifocal, Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
Note: ADENOMA	TGLs = 1-10		
Thyroid Gland	Bilateral, C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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 - Mandibular	Nose	Parathyroid Gland
Prostate	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex Bilateral, Medulla	Hyperplasia Pheochromocytoma Benign	Mild
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Nephropathy	Chronic, Diffuse, Mild
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Mild
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Moderate
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pancreas	Acinus	Focal Cellular Change	
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Preputial Gland		Inflammation	Chronic Active, Multifocal, Moderate
Testes	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy	Moderate

Note: ADENOMA TGLs = 1-10

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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 - Mandibular	Mammary Gland	Nose
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
	Medulla	Pheochromocytoma Complex	
Note: PHEOCHROM CPLX TGLs = 2-11			
Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney		Nephropathy	Chronic, Diffuse, Marked
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Mild
		Inflammation	Chronic Active, Multifocal, Mild
	Centrilobular	Vacuolization Cytoplasmic	Diffuse, Mild
Lung		Foreign Body	Multifocal, Mild
Pancreas	Acinus	Focal Cellular Change	
	Acinus	Hyperplasia	Focal, Mild
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
Note: ADENOMA TGLs = 1-10			
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

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
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Eye	Retina	Atrophy	Diffuse, Marked
	Lens	Cataract	Marked
Note: ATROPHY	TGLs = 1-11		
Note: CATARACT	TGLs = 1-11		
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Nephropathy	Chronic, Diffuse, Mild
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Mild
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
Note: ADENOMA	TGLs = 2-10		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 17	TRT#: 1	SEX: Male	DAY ON TEST: 10
	DOSE: 0 UG/KG	DISP: Gavage Death	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	Kidney
Lymph Node - Mandibular	Nose	Pituitary Gland	Prostate
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Heart		Degeneration	Chronic, Multifocal, Minimal
Liver		Necrosis	Acute, Mild
	Centrilobular	Vacuolization Cytoplasmic	Diffuse, Mild
Lung		Congestion	Moderate
		Edema	Acute, Diffuse, Moderate
		Foreign Body	Multifocal, Mild
Pancreas	Acinus	Atrophy	Mild
Preputial Gland	Duct	Ectasia	Marked
Spleen		Depletion Lymphoid	Mild
Urinary Bladder		Calculus Micro Observation Only	

PRIMARY CAUSE OF DEATH -

Animal Note: PROBABLE COD GAVAGE ERROR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Ochratoxin A
 CAS Number: 303-47-9

Date Report Requested: 10/20/2014
 Time Report Requested: 17:52:34
 First Dose M/F: NA / NA
 Lab: BAT

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

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 Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Trachea	Urinary Bladder	

MISSING

Intestine Large - Rectum	Thymus
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Moderate
	Medulla	Pheochromocytoma Benign	
Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney		Nephropathy	Chronic, Diffuse, Mild
Liver		Basophilic Focus	Multiple
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
Lung	Centrilobular	Vacuolization Cytoplasmic	Diffuse, Mild
Mammary Gland	Interstitium	Inflammation	Chronic Active, Multifocal, Mild
Pancreas		Hyperplasia	Cystic, Multifocal, Moderate
Note: TGL2-6 SMALL NODULE ON PANCREAS NOT VISIBLE AT TRIM			
Pituitary Gland	Pars Intermed	Adenoma	
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Prostate		Inflammation	Chronic Active, Multifocal, Mild
Spleen		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
	Interstit Cell	Hyperplasia	Mild

Note: ADENOMA TGLs = 1-10

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 18

TRT#: 1
DOSE: 0 UG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
	Medulla	Pheochromocytoma Benign	
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Nephropathy	Chronic, Diffuse, Marked
Liver	Bile Duct	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Moderate
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 1-11		
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
Note: ADENOMA	TGLs = 2-10		
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

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

MISSING

Mammary Gland

OBSERVATIONS

Heart		Degeneration	Chronic, Multifocal, Moderate
Intestine Large	Rectum	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Diffuse, Moderate
Liver		Basophilic Focus	Multiple
		Hematopoietic Cell Proliferation	Multifocal, Mild
	Centrilobular	Vacuolization Cytoplasmic	Diffuse, Mild
Pharynx	Palate	Squamous Cell Papilloma	
Note: PAPILLOMA SQUA TGLs = 2-8			
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
Note: ADENOMA TGLs = 1-10			
Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Epididymis
Intestine Large - Colon
Intestine Small - Jejunum
Nose
Skin
Thymus

Bone
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Parathyroid Gland
Spleen
Trachea

Bone Marrow
Harderian Gland
Intestine Small - Duodenum
Lung
Prostate
Stomach - Forestomach
Urinary Bladder

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Salivary Glands
Stomach - Glandular

OBSERVATIONS

Adrenal Gland
Heart
Kidney
Liver

Mammary Gland
Pancreas
Pituitary Gland
Preputial Gland
Testes

Cortex

Bile Duct

Acinus
Pars Distalis

Bilateral, Interstit Cell
Germinal Epith
Interstit Cell

Hyperplasia
Degeneration
Nephropathy
Basophilic Focus
Hyperplasia
Hyperplasia
Hyperplasia
Adenoma
Inflammation
Adenoma
Atrophy
Hyperplasia

Mild
Chronic, Multifocal, Moderate
Chronic, Diffuse, Mild
Multiple
Multifocal, Mild
Cystic, Multifocal, Mild
Focal, Moderate

Chronic Active, Multifocal, Moderate

Moderate
Mild

Note: ADENOMA TGLs = 1-10

Thyroid Gland

Follicular Cel

Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Epididymis
Intestine Large - Colon
Intestine Small - Jejunum
Parathyroid Gland
Spleen
Trachea

Bone
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Pituitary Gland
Stomach - Forestomach
Urinary Bladder

Bone Marrow
Harderian Gland
Intestine Small - Duodenum
Lymph Node - Mandibular
Salivary Glands
Stomach - Glandular

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Nose
Skin
Thymus

OBSERVATIONS

Adrenal Gland
Heart
Kidney
Liver

Cortex

Hypertrophy
Degeneration
Nephropathy
Basophilic Focus
Clear Cell Focus

Mild
Chronic, Multifocal, Moderate
Chronic, Diffuse, Moderate
Multiple

Bile Duct
Centrilobular
Interstitial

Hyperplasia
Vacuolization Cytoplasmic

Multifocal, Moderate
Diffuse, Mild

Lung
Mammary Gland
Pancreas
Preputial Gland
Prostate
Testes

Acinus

Inflammation
Hyperplasia
Hyperplasia
Inflammation
Inflammation

Chronic Active, Multifocal, Moderate
Cystic, Multifocal, Mild
Focal, Mild
Chronic Active, Multifocal, Moderate
Chronic Active, Multifocal, Minimal

Bilateral, Interstit Cell
Germinal Epith

Adenoma
Atrophy

Marked

Note: ADENOMA TGLs = 1-10

Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 23

TRT#: 1

SEX: Male

DAY ON TEST: 712

DOSE: 0 UG/KG

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	Lymph Node - Mandibular
Nose	Parathyroid Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Trachea	Urinary Bladder	

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Nephropathy	Chronic, Diffuse, Mild
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Mild
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Moderate
Pancreas	Acinus	Atrophy	Mild
	Acinus	Focal Cellular Change	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 4-6		
Preputial Gland		Adenoma	
		Inflammation	Chronic Active, Multifocal, Mild
Note: ADENOMA	TGLs = 2-9		
Prostate		Inflammation	Chronic Active, Multifocal, Mild
Skin	Subcut Tiss	Fibroma	
Note: TGL2-9 SKIN MASS IS PREPUTIAL GLAND TUMOR			
Note: FIBROMA	TGLs = 1-8		
Spleen	Red Pulp	Hematopoietic Cell Proliferation	Diffuse, Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
Note: ADENOMA	TGLs = 3-7		
Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 23

TRT#: 1

SEX: Male

DAY ON TEST: 712

DOSE: 0 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO TWO LARGE TUMORS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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
Lung	Lymph Node - Mandibular	Nose	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Trachea	Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
	Medulla	Pheochromocytoma Benign	
Eye	Retina	Atrophy	Diffuse, Marked
	Lens	Cataract	Marked
Note: CATARACT	TGLs = 1-11		
Note: ATROPHY	TGLs = 1-11		
Heart		Degeneration	Chronic, Multifocal, Mild
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Chronic, Diffuse, Marked
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Mild
		Inflammation	Chronic Active, Multifocal, Mild
	Centrilobular	Vacuolization Cytoplasmic	Diffuse, Mild
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pancreas	Acinus	Atrophy	Mild
	Acinus	Hyperplasia	Focal, Moderate
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Prostate		Inflammation	Chronic Active, Multifocal, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
	Interstit Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 24	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: 0 UG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA	TGLs = 2-10		
Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

Bone
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Salivary Glands
Stomach - Glandular

Bone Marrow
Harderian Gland
Intestine Small - Duodenum
Lymph Node - Mandibular
Skin
Thymus

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Nose
Spleen
Trachea

OBSERVATIONS

Adrenal Gland
Heart
Kidney
Liver

Cortex

Adenoma
Degeneration
Nephropathy
Basophilic Focus

Chronic, Multifocal, Mild
Chronic, Diffuse, Marked
Multiple

Bile Duct

Hyperplasia
Inflammation

Multifocal, Mild
Chronic Active, Multifocal, Mild

Centrilobular

Vacuolization Cytoplasmic
Foreign Body

Diffuse, Mild
Multifocal, Mild

Interstitial

Inflammation

Chronic Active, Multifocal, Moderate

Note: INFLAMMATION TGLs = 2-2

Mammary Gland
Parathyroid Gland
Pituitary Gland

Pars Distalis
Pars Distalis

Fibroadenoma
Adenoma
Adenoma
Cyst

Note: ADENOMA TGLs = 3-7

Preputial Gland
Prostate
Testes

Inflammation
Inflammation

Chronic Active, Multifocal, Moderate
Chronic Active, Multifocal, Moderate

Bilateral, Interstit Cell
Germinal Epith

Adenoma
Atrophy

Moderate

Note: ADENOMA TGLs = 1-10

Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
Brain		Astrocytoma Malignant	
Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney		Nephropathy	Chronic, Diffuse, Moderate
Liver	Bile Duct	Hyperplasia	Multifocal, Marked
		Leukemia Mononuclear	
Note: TGL3-11 NODULE IS HIATAL STRESS TYPE, NO TUMOR			
Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pancreas		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 4-7		
Preputial Gland		Adenoma	
		Inflammation	Chronic Active, Multifocal, Moderate
Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-1]	
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 26	TRT#: 1 DOSE: 0 UG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA Thyroid Gland	TGLs = 1-10	Interstit Cell C Cell	Hyperplasia Hyperplasia	Mild Mild
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PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Ochratoxin A
 CAS Number: 303-47-9

Date Report Requested: 10/20/2014
 Time Report Requested: 17:52:34
 First Dose M/F: NA / NA
 Lab: BAT

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	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
Nose	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
	Medulla	Hyperplasia	Mild
	Cortex	Leukemia Mononuclear	
Bone Marrow	Femoral	Leukemia Mononuclear	
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Diffuse, Moderate
Liver	Bile Duct	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
Lung		Foreign Body	Multifocal, Moderate
	Interstitialium	Inflammation	Chronic Active, Multifocal, Moderate
		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 1-7,3-11,4-2		
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Pancreas		Leukemia Mononuclear	
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 2-12		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 27

TRT#: 1
DOSE: 0 UG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Testes	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy	Marked
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Note: ADENOMA TGLs = 5-10

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

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

MISSING

Parathyroid Gland

OBSERVATIONS

Heart		Degeneration	Chronic, Multifocal, Moderate
Intestine Large	Rectum	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Diffuse, Moderate
Liver		Basophilic Focus	Multiple
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Pancreas	Acinus	Adenoma	
	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Skin	Sebaceous GI	Adenoma	
Note: ADENOMA	TGLs = 2-11		
Spleen		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
Note: ADENOMA	TGLs = 1-10		
Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 526

DOSE: 0 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Kidney	Epithelium, Renal Tubule	Cytoplasmic Alteration	Focal, Mild
		Nephropathy	Chronic, Diffuse, Moderate
Note: NEPHROPATHY	TGLs = 3-1		
Liver	Centrilobular	Basophilic Focus	Multiple
		Vacuolization Cytoplasmic	Diffuse, Mild
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Skin	Subcut Tiss	Sarcoma	
Note: SARCOMA	TGLs = 1-11		
Spleen	Red Pulp	Hematopoietic Cell Proliferation	Diffuse, Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA	TGLs = 2-10		
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO LARGE TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Esophagus	Harderian Gland
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Nose	Parathyroid Gland
Prostate	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
	Medulla	Hyperplasia	Mild
	Medulla	Pheochromocytoma Benign	
Bone Marrow	Femoral	Leukemia Mononuclear	
Heart		Degeneration	Chronic, Multifocal, Moderate
Islets, Pancreatic		Hyperplasia	Focal, Mild
Kidney		Nephropathy	Chronic, Diffuse, Moderate
Liver		Basophilic Focus	Multiple
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
	Centrilobular	Vacuolization Cytoplasmic	Diffuse, Mild
Lung	Interstitium	Inflammation	Chronic Active, Multifocal, Moderate
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Pancreas	Acinus	Hyperplasia	Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Chronic Active, Multifocal, Moderate
Spleen		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
Note: ADENOMA			
TGLs = 1-10			
Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Follicular Cel

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

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	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Eye	Retina	Atrophy	Diffuse, Marked
	Lens	Cataract	Marked
Note: ATROPHY	TGLs = 2-11		
Note: CATARACT	TGLs = 2-11		
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Nephropathy	Chronic, Diffuse, Marked
Liver		Basophilic Focus	Multiple
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Multifocal, Mild
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Preputial Gland		Inflammation	Chronic Active, Multifocal, Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
Note: ADENOMA	TGLs = 1-10		
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 540

DOSE: 0 UG/KG

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
Lymph Node - Mandibular	Nose	Pancreas	Prostate
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	

MISSING

Parathyroid Gland

OBSERVATIONS

Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney		Nephropathy	Chronic, Diffuse, Mild
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Mild
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Skin	Subcut Tiss	Fibroma	
Note: FIBROMA	TGLs = 1-11		
Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Moderate
Note: ADENOMA	TGLs = 2-10		
Urinary Bladder		Calculus Micro Observation Only	

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO LARGE ABDOMINAL TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

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 - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Nose	Pituitary Gland	Prostate	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Nephropathy	Chronic, Diffuse, Minimal
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Moderate
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Pancreas	Acinus	Focal Cellular Change	
	Acinus	Hyperplasia	Focal, Mild
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
Note: ADENOMA	TGLs = 1-10		
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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 - Mandibular	Nose	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex Medulla	Hyperplasia Pheochromocytoma Benign	Moderate
Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney	Epithelium, Renal Tubule	Hyperplasia Nephropathy	Focal, Mild Chronic, Diffuse, Moderate
Liver	Centrilobular	Vacuolization Cytoplasmic	Diffuse, Mild
Lung	Interstitial	Inflammation	Chronic Active, Multifocal, Mild
Mammary Gland		Hyperplasia	Cystic, Multifocal, Marked
Note: HYPERPLASIA	TGLs = 2-11		
Pancreas	Acinus Acinus	Adenoma Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 1-7		
Preputial Gland	Duct	Adenoma Ectasia Inflammation	Marked Chronic Active, Multifocal, Mild
Note: ECTASIA	TGLs = 3-12		
Note: ADENOMA	TGLs = 3-12		
Prostate		Inflammation	Chronic Active, Multifocal, Moderate
Testes	Interstit Cell	Hyperplasia	Mild
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL2-11 SKIN MASS IS CYSTIC MAMMARY GLAND

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 35

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Intestine Large - Rectum	Mammary Gland	Skin
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OBSERVATIONS

Adrenal Gland	Cortex Bilateral, Medulla	Adenoma Pheochromocytoma Benign	
Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney		Nephropathy	Chronic, Diffuse, Moderate
Liver		Basophilic Focus Clear Cell Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Moderate
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Moderate
Pancreas	Acinus Acinus	Adenoma Atrophy	Multiple Mild
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Testes	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy	Marked

Note: ADENOMA TGLs = 1-10

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 691

DOSE: 0 UG/KG

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
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Prostate	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Nephropathy	Chronic, Diffuse, Mild
Liver		Basophilic Focus	Multiple
		Clear Cell Focus	
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Preputial Gland		Adenoma	
Note: ADENOMA	TGLs = 1-11		
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
	Interstit Cell	Hyperplasia	Mild
Note: TGL2-10 LEFT TESTIS WITHIN NORMAL LIMITS FO SIZE			
Note: ADENOMA	TGLs = 3-10		

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO LARGE PREPUTIAL TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 37 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 704
DOSE: 0 UG/KG **DISP:** Moribund **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	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	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Glandular	Trachea	Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Brain		Compression	Marked
	Ventricle	Hydrocephalus	Moderate
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Nephropathy	Chronic, Diffuse, Marked
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Mild
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-6			
Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Chronic Active, Multifocal, Mild
Prostate		Inflammation	Chronic Active, Multifocal, Mild
Stomach	Forestomach	Acanthosis	Focal, Minimal
	Forestomach	Inflammation	Chronic Active, Mild
	Forestomach	Ulcer	Mild
Testes	Interstitial Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate
	Interstitial Cell	Hyperplasia	Mild
Note: ADENOMA TGLs = 2-7			
Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 704

DOSE: 0 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO PITUITARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 516

DOSE: 0 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
Bone Marrow	Femoral	Leukemia Mononuclear	
Epididymis		Leukemia Mononuclear	
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Nephropathy	Chronic, Diffuse, Mild
Liver	Bile Duct	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Multifocal, Moderate
Note: FIBROADENOMA	TGLs = 1-11		
Pancreas	Acinus	Atrophy	Moderate
Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Chronic Active, Multifocal, Mild
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-12]			
Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA	TGLs = 2-10		
Thymus		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 516

DOSE: 0 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11 SKIN MASS IS A MAMMARY GLAND TUMOR

Animal Note: MORIBUND SACRIFICE DUE TO LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

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	Lung	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Prostate
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney		Nephropathy	Chronic, Diffuse, Mild
Liver	Bile Duct	Basophilic Focus	Multiple
		Hyperplasia	Multifocal, Mild
		Inflammation	Chronic Active, Multifocal, Mild
	Centrilobular	Vacuolization Cytoplasmic	Diffuse, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Preputial Gland		Inflammation	Chronic Active, Multifocal, Moderate
Skin		Trichoepithelioma	
Note: TRICHOEPITHEL	TGLs = 1-11		
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
Note: ADENOMA	TGLs = 2-10		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	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	Nose	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
	Cortex	Leukemia Mononuclear	
Bone Marrow	Femoral	Leukemia Mononuclear	
Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney		Nephropathy	Chronic, Diffuse, Moderate
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
Lung		Foreign Body	Multifocal, Moderate
	Interstitialium	Inflammation	Chronic Active, Multifocal, Mild
		Leukemia Mononuclear	
Note: INFLAMMATION	TGLs = 5-2		
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Pancreas	Acinus	Atrophy	Mild
Preputial Gland		Inflammation	Chronic Active, Multifocal, Moderate
Skin	Subcut Tiss	Fibroma	
		Keratoacanthoma	
Note: KERATOACANTHMA	TGLs = 1-11		
Note: FIBROMA	TGLs = 2-12		
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLS = 3-1]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 40	TRT#: 1 DOSE: 0 UG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Testes	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy	Marked
Note: ADENOMA TGLs = 4-10			
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 495

DOSE: 0 UG/KG

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 - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Mesentery	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland Note: PHEOCHROM BGN TGLs = 2-7	Medulla	Pheochromocytoma Benign	
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney Note: MIXD TUMOR MAL TGLs = 1-11,1-12		Mixed Tumor Malignant Nephropathy	Chronic, Diffuse, Mild
Liver	Centrilobular	Basophilic Focus Vacuolization Cytoplasmic Hyperplasia	Multiple Diffuse, Mild Cystic, Multifocal, Moderate
Mammary Gland			
Mesentery Note: TGL3-13 MESENTERIC MASS IS A LYMPH NODE THAT IS NORMAL			
Preputial Gland		Inflammation	Chronic Active, Multifocal, Moderate
Spleen	Red Pulp	Hematopoietic Cell Proliferation	Diffuse, Moderate
Testes	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO LARGE RENAL TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

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 - Mandibular	Nose
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Nephropathy	Chronic, Diffuse, Moderate
Liver		Basophilic Focus	Multiple
	Centrilobular	Vacuolization Cytoplasmic	Diffuse, Mild
Lung		Foreign Body	Multifocal, Moderate
	Interstitial	Inflammation	Chronic Active, Multifocal, Moderate
Note: INFLAMMATION TGLs = 2-2,2-3			
Note: TGL2-2,2-3 SMALL FOCI ARE DUE TO INFLAMMATION			
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Pancreas	Acinus	Atrophy	Mild
Preputial Gland		Adenoma	
	Duct	Ectasia	Moderate
		Inflammation	Chronic Active, Multifocal, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
Note: ADENOMA TGLs = 1-10			
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	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
Nose	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Trachea	Urinary Bladder	

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
	Cortex	Hypertrophy	Mild
	Medulla	Pheochromocytoma Benign	
Bone Marrow	Femoral	Leukemia Mononuclear	
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Nephropathy	Chronic, Diffuse, Mild
Liver		Basophilic Focus	Multiple
		Degeneration	Cystic, Focal, Mild
	Bile Duct	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
Lung	Centrilobular	Vacuolization Cytoplasmic	Diffuse, Mild
		Foreign Body	Multifocal, Mild
	Interstitium	Inflammation	Chronic Active, Multifocal, Moderate
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Pancreas	Acinus	Atrophy	Mild
Parathyroid Gland		Adenoma	
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Chronic Active, Multifocal, Moderate
Prostate		Inflammation	Chronic Active, Multifocal, Moderate
Spleen		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 43	TRT#: 1 DOSE: 0 UG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA Thyroid Gland	TGLs = 1-10	Germinal Epith C Cell	Atrophy Adenoma	Moderate
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PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Harderian Gland	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Nose	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Moderate
	Medulla	Hyperplasia	Mild
Heart		Degeneration	Chronic, Multifocal, Mild
Intestine Large	Rectum	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Diffuse, Mild
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Moderate
	Centrilobular	Vacuolization Cytoplasmic	Diffuse, Mild
Lung	Interstitium	Inflammation	Chronic Active, Multifocal, Mild
Mammary Gland		Hyperplasia	Cystic, Multifocal, Minimal
Pancreas	Acinus	Atrophy	Mild
Preputial Gland		Inflammation	Chronic Active, Multifocal, Moderate
Prostate		Inflammation	Chronic Active, Multifocal, Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
Note: ADENOMA	TGLs = 1-10		
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Harderian Gland	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Lymph Node - Mandibular	Nose	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
	Medulla	Pheochromocytoma Benign	
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Chronic, Diffuse, Moderate
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Moderate
Lung	Alveolar Epith	Hyperplasia	Mild
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 2-7		
Preputial Gland		Inflammation	Chronic Active, Multifocal, Moderate
Prostate		Inflammation	Chronic Active, Multifocal, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate
Note: ADENOMA	TGLs = 1-10		
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Harderian Gland	Intestine Large - Cecum	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea			

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Moderate
	Medulla	Pheochromocytoma Benign	
Heart		Degeneration	Chronic, Multifocal, Mild
Intestine Large	Colon	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Diffuse, Mild
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Mild
	Centrilobular	Vacuolization Cytoplasmic	Diffuse, Mild
Lung	Alveolar Epith	Hyperplasia	Mild
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Preputial Gland		Inflammation	Chronic Active, Multifocal, Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
	Tunic	Mesothelioma Malignant	
Note: ADENOMA	TGLs = 1-10		
Note: MESOTHELIO MAL	TGLs = 2-10		
Thyroid Gland	C Cell	Adenoma	
Urinary Bladder	Serosa	Mesothelioma Malignant	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 47 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 732
DOSE: 0 UG/KG **DISP:** Terminal Sacrifice **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 Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Lung	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Heart		Degeneration	Chronic, Multifocal, Mild
Intestine Large	Rectum	Parasite Metazoan	
Islets, Pancreatic		Adenoma	Multiple
Kidney	Renal Tubule	Adenoma	
		Nephropathy	Chronic, Diffuse, Mild
Liver		Basophilic Focus	Multiple
		Inflammation	Chronic Active, Multifocal, Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Multifocal, Marked
Note: FIBROADENOMA TGLs = 3-11			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2-7			
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Prostate		Inflammation	Chronic Active, Multifocal, Mild
Skin			
Note: TGL3-11 SKIN MASS IS MAMMARY TUMOR			
Testes	Interstitial Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
	Interstitial Cell	Hyperplasia	Mild
Note: ADENOMA TGLs = 1-10			
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Medulla	Pheochromocytoma Benign	
Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney		Nephropathy	Chronic, Diffuse, Mild
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Mild
	Centrilobular	Vacuolization Cytoplasmic	Diffuse, Mild
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate

Note: ADENOMA TGLs = 1-10

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 49 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 732
DOSE: 0 UG/KG **DISP:** Terminal Sacrifice **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	Lung	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Heart		Degeneration	Chronic, Multifocal, Mild
Islets, Pancreatic		Carcinoma	
Kidney		Nephropathy	Chronic, Diffuse, Mild
Liver		Basophilic Focus	Multiple
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Multifocal, Mild
	Centrilobular	Vacuolization Cytoplasmic	Diffuse, Mild
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate

Note: ADENOMA TGLs = 1-10

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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	Nose	Parathyroid Gland	Pituitary Gland
Preputial Gland	Prostate	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Cortex	Hyperplasia	Mild
	Medulla	Pheochromocytoma Benign	
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Nephropathy	Chronic, Diffuse, Mild
Liver		Basophilic Focus	Multiple
		Leukemia Mononuclear	
	Centrilobular	Vacuolization Cytoplasmic	Diffuse, Mild
Lung	Alveolar Epith	Hyperplasia	Moderate
	Interstitium	Inflammation	Chronic Active, Multifocal, Moderate
	Mandibular	Leukemia Mononuclear	
Lymph Node		Hyperplasia	Cystic, Multifocal, Mild
Mammary Gland		Atrophy	Mild
Pancreas	Acinus	Squamous Cell Papilloma	
Skin			
Note: PAPILLOMA SQUA TGLs = 1-11			
Spleen		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA TGLs = 2-10			
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 81

TRT#: 2

SEX: Male

DAY ON TEST: 280

DOSE: 21 UG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Lung
Pancreas
Prostate
Stomach - Glandular
Trachea

Adrenal Gland - Medulla
Epididymis
Intestine Small - Duodenum
Lymph Node - Mandibular
Parathyroid Gland
Salivary Glands
Testes

Bone
Esophagus
Intestine Small - Jejunum
Mammary Gland
Pituitary Gland
Skin
Thymus

Bone Marrow
Harderian Gland
Islets, Pancreatic
Nose
Preputial Gland
Stomach - Forestomach
Thyroid Gland

AUTO PRECLUDES DIAG.

Intestine Large - Cecum

Intestine Large - Rectum

Intestine Small - Ileum

Urinary Bladder

OBSERVATIONS

Heart
Kidney
Liver

Bile Duct

Spleen

Degeneration
Nephropathy
Hyperplasia
Necrosis
Depletion Lymphoid

Chronic, Multifocal, Mild
Chronic, Diffuse, Minimal
Multifocal, Mild
Acute, Moderate
Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH UNDETERMINED

Animal Note: TGL1-2, LUNG HAS NO SIGNIFICANT LESION ON MICRO

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 82

TRT#: 2

SEX: Male

DAY ON TEST: 676

DOSE: 21 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	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	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Prostate	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Medulla	Hyperplasia	Mild
Brain	Ventricle	Compression	
		Hydrocephalus	Mild
Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney		Nephropathy	Chronic, Diffuse, Moderate
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Mild
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 1-7		
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO PITUITARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 83

TRT#: 2

SEX: Male

DAY ON TEST: 729

DOSE: 21 UG/KG

DISP: Terminal Sacrifice

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	Lymph Node - Mandibular
Nose	Parathyroid Gland	Prostate	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney	Renal Tubule	Adenoma	
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Minimal
		Nephropathy	Chronic, Diffuse, Marked
[Nephropathy TGLS = 1-1]			
Liver	Bile Duct	Hyperplasia	Multifocal, Moderate
		Inflammation	Chronic Active, Multifocal, Mild
Lung	Mediastinum	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Mild
Note: ALV BRON CARC TGLs = 5-3			
Pancreas	Acinus	Adenoma	
Note: ADENOMA TGLs = 2-6			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 6-7			
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Skin		Keratoacanthoma	
Note: KERATOACANTHMA TGLs = 4-11			
Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 83

TRT#: 2

SEX: Male

DAY ON TEST: 729

DOSE: 21 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 3-10

Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 84	TRT#: 2	SEX: Male	DAY ON TEST: 674
	DOSE: 21 UG/KG	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
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 - Mandibular	Nose	Pancreas
Parathyroid Gland	Preputial Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Epididymis		Mesothelioma Malignant	
Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney		Nephropathy	Chronic, Diffuse, Mild
Liver		Basophilic Focus	Multiple
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Mild
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 1-7		
Prostate		Inflammation	Chronic Active, Multifocal, Mild
Spleen		Depletion Lymphoid	Moderate
Testes		Mesothelioma Benign	

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH, PITUITARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 85	TRT#: 2 DOSE: 21 UG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO:
OBSERVATIONS			
Kidney		Nephropathy	Chronic, Diffuse, Moderate
Skin	Subcut Tiss	Fibroma	
Note: FIBROMA TGLs = 1-11			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2-10			
<hr/>			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 86	TRT#: 2 DOSE: 21 UG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO:
OBSERVATIONS			
Kidney		Nephropathy	Chronic, Diffuse, Mild
Pituitary Gland		Adenoma	
Note: ADENOMA	TGLs = 2-7		
Testes		Bilateral, Interstit Cell	
		Interstit Cell	Mild
Note: ADENOMA	TGLs = 1-10		
Thyroid Gland		C Cell	
		Adenoma	
<hr/> PRIMARY CAUSE OF DEATH			
-			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 87

TRT#: 2
DOSE: 21 UG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO:

OBSERVATIONS

Kidney
Preputial Gland
Note: ADENOMA TGLs = 1-11
Testes
Note: ADENOMA TGLs = 2-10

Nephropathy
Adenoma
Bilateral, Interstit Cell
Adenoma

Chronic, Diffuse, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11, SKIN LESION IS A PREPUTIAL GLAND ADENOMA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 88

TRT#: 2

SEX: Male

DAY ON TEST: 729

DOSE: 21 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye

Retina

Atrophy

Diffuse, Moderate

Lens

Cataract

Moderate

Note: CATARACT TGLs = 1-12

Kidney

Nephropathy

Chronic, Diffuse, Moderate

Spleen

Red Pulp

Fibrosis

Mild

Note: FIBROSIS TGLs = 3-11

Testes

Bilateral, Interstit Cell

Adenoma

Note: ADENOMA TGLs = 2-10

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 89

TRT#: 2

SEX: Male

DAY ON TEST: 627

DOSE: 21 UG/KG

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 - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Nose	Parathyroid Gland	Prostate	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Nephropathy	Chronic, Diffuse, Mild
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Mild
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Mesentery		Inflammation	Chronic Active, Moderate
Note: INFLAMMATION TGLs = 2-11			
Pancreas	Acinus	Adenoma	
	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-7			
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO PITUITARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 90

TRT#: 2

SEX: Male

DAY ON TEST: 729

DOSE: 21 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Nephropathy

Chronic, Diffuse, Mild

Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 2-7]

Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 3-10]

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1, SKIN OF FACE MISSING AT TRIM

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 91

TRT#: 2
DOSE: 21 UG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO:

OBSERVATIONS

Kidney
Pituitary Gland
Note: ADENOMA TGLs = 1-7

Pars Distalis

Nephropathy
Adenoma

Chronic, Diffuse, Mild

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 92	TRT#: 2 DOSE: 21 UG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO:
OBSERVATIONS			
Kidney		Nephropathy	Chronic, Diffuse, Moderate
Lung	Interstitial	Inflammation	Chronic Active, Multifocal, Moderate
Note: INFLAMMATION TGLs = 5-3			
Mesentery		Mesothelioma Malignant	
Note: MESOTHELIO MAL TGLs = 3-11			
Testes	Bilateral, Interstit Cell	Adenoma Mesothelioma Malignant	
Note: MESOTHELIO MAL TGLs = 2-10			
Note: ADENOMA TGLs = 1-10			
Thyroid Gland	Follicular Cel	Carcinoma	
Note: CARCINOMA TGLs = 4-7			
<hr/>			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 93	TRT#: 2 DOSE: 21 UG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO:
OBSERVATIONS			
Kidney		Nephropathy	Chronic, Diffuse, Mild
Lung	Interstitial	Inflammation	Chronic Active, Multifocal, Moderate
Note: INFLAMMATION TGLs = 4-3			
Skin	Subcut Tiss	Fibroma	
Note: FIBROMA TGLs = 1-11			
Spleen	Red Pulp	Fibrosis	Mild
Note: FIBROSIS TGLs = 2-1			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 3-10			
<hr/> PRIMARY CAUSE OF DEATH - <hr/>			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 94

TRT#: 2

SEX: Male

DAY ON TEST: 726

DOSE: 21 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Epididymis
Intestine Large - Colon
Intestine Small - Jejunum
Pancreas
Spleen
Urinary Bladder

Bone
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Parathyroid Gland
Stomach - Forestomach

Bone Marrow
Harderian Gland
Intestine Small - Duodenum
Lymph Node - Mandibular
Prostate
Stomach - Glandular

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

MISSING

Thymus

OBSERVATIONS

Adrenal Gland
Heart
Kidney
Note: NEPHROPATHY
Liver

TGLs = 4-1

Cortex

Hyperplasia
Degeneration
Nephropathy

Mild
Chronic, Multifocal, Mild
Chronic, Diffuse, Marked

Lung

Bile Duct

Basophilic Focus
Hyperplasia
Foreign Body
Pigmentation

Multiple
Multifocal, Mild
Multifocal, Mild
Mild

Mammary Gland
Pituitary Gland
Preputial Gland
Skin

Pars Distalis

Hyperplasia
Hyperplasia
Inflammation
Fibroma

Cystic, Multifocal, Moderate
Mild
Chronic Active, Multifocal, Mild

Note: FIBROMA

TGLs = 1-11

Subcut Tiss

Testes

Bilateral, Interstit Cell

Adenoma

Note: ADENOMA

TGLs = 2-10,3-10

Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO LARGE SUBCUTANEOUS TUMOR

Animal Note: TGL3-10, TESTIS WITHIN NORMAL LIMITS FOR SIZE

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 95	TRT#: 2	SEX: Male	DAY ON TEST: 428
	DOSE: 21 UG/KG	DISP: Gavage Death	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	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	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Bone Marrow	Femoral	Leukemia Mononuclear	
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Nephropathy	Chronic, Diffuse, Mild
Liver		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-2			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-11]			
Mammary Gland		Hyperplasia	Cystic, Multifocal, Minimal
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-11]			
Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH GAVAGE ERROR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 96

TRT#: 2

SEX: Male

DAY ON TEST: 716

DOSE: 21 UG/KG

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

OBSERVATIONS

Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Diffuse, Mild
Liver	Bile Duct	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
Lung		Alveolar/Bronchiolar Adenoma	
	Interstitial	Inflammation	Chronic Active, Multifocal, Mild
		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pancreas	Acinus	Atrophy	Mild
		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 1-1		
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 2-10		
Thyroid Gland	C Cell	Hyperplasia	Mild
Tongue	Epithelium	Hyperplasia	Moderate
Note: HYPERPLASIA	TGLs = 3-11		

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 96

TRT#: 2

SEX: Male

DAY ON TEST: 716

DOSE: 21 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: MORIBUND SACRIFICE DUE TO LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 97

TRT#: 2
DOSE: 21 UG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO:

OBSERVATIONS

Kidney
Lymph Node
Note: INFILTRAT CELL TGLs = 1-7

Mandibular

Nephropathy
Infiltration Cellular

Chronic, Diffuse, Marked
Plasma Cell, Moderate

Pituitary Gland
Note: CYST TGLs = 3-7
Note: ADENOMA TGLs = 3-7

Pars Distalis
Pars Distalis

Adenoma
Cyst

Testes
Note: ADENOMA TGLs = 2-10

Bilateral, Interstit Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 98

TRT#: 2

SEX: Male

DAY ON TEST: 487

DOSE: 21 UG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	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 - Mandibular	Nose
Parathyroid Gland	Preputial Gland	Prostate	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Epididymis		Mesothelioma Malignant	
Note: MESOTHELIO MAL	TGLs = 4-12		
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Nephropathy	Chronic, Diffuse, Minimal
Liver		Basophilic Focus	Multiple
	Centrilobular	Vacuolization Cytoplasmic	Diffuse, Mild
Lung		Foreign Body	Multifocal, Moderate
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Mesentery		Mesothelioma Malignant	
Note: MESOTHELIO MAL	TGLs = 3-10,3-12		
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
		Mesothelioma Malignant	
Note: ADENOMA	TGLs = 2-10		

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH, MALIGNANT MESOTHELIOMA

Animal Note: TGL1-11, HIATAL STRESS NODULE, NO TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 99

TRT#: 2

SEX: Male

DAY ON TEST: 722

DOSE: 21 UG/KG

DISP: Dead

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
Lymph Node - Mandibular	Nose	Parathyroid Gland	Preputial Gland
Prostate	Salivary Glands	Skin	Spleen
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney		Nephropathy	Chronic, Diffuse, Marked
[Nephropathy TGLS = 4-1]			
Liver	Periportal	Basophilic Focus Vacuolization Cytoplasmic	Multiple Diffuse, Moderate
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Mesentery		Inflammation	Chronic Active, Moderate
Note: INFLAMMATION TGLs = 3-11			
Pancreas	Acinus	Atrophy	Moderate
Pituitary Gland	Pars Distalis	Carcinoma	
Note: CARCINOMA TGLs = 5-7			
Stomach	Forestomach	Acanthosis	Moderate
	Forestomach	Inflammation	Chronic Active, Moderate
	Forestomach	Ulcer	Moderate
Note: ULCER TGLs = 2-6			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1-10			

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH, PITUITARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 100

TRT#: 2
DOSE: 21 UG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO:

OBSERVATIONS

Kidney
Spleen
Note: LEUKEMIA MONUC TGLs = 1-11
Testes
Note: ADENOMA TGLs = 2-10

Bilateral, Interstit Cell

Nephropathy
Leukemia Mononuclear
Adenoma

Chronic, Diffuse, Marked

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 101

TRT#: 2
DOSE: 21 UG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO:

OBSERVATIONS

Kidney
Skin
Note: BASOSQU TM BGN TGLs = 1-11
Testes
Note: ADENOMA TGLs = 2-10

Nephropathy
Basosquamous Tumor Benign
Bilateral, Interstit Cell
Adenoma

Chronic, Diffuse, Mild

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 102

TRT#: 2

SEX: Male

DAY ON TEST: 678

DOSE: 21 UG/KG

DISP: Gavage Death

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	Lymph Node - Mandibular
Nose	Parathyroid Gland	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney		Nephropathy	Chronic, Diffuse, Mild
Liver		Congestion	Marked
Lung		Foreign Body	Multifocal, Moderate
	Interstitialium	Inflammation	Acute, Multifocal, Moderate
Mesentery		Mesothelioma Malignant	
Note: MESOTHELIO MAL TGLs = 3-11			
Pancreas	Acinus	Adenoma	
Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
		Mesothelioma Malignant	
Note: ADENOMA TGLs = 1-10			

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH, GAVAGE RELATED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 103

TRT#: 2
DOSE: 21 UG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO:

OBSERVATIONS

Kidney		Nephropathy	Chronic, Diffuse, Mild
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 1-11		
Pituitary Gland		Adenoma	
Note: ADENOMA	TGLs = 3-7	Pars Distalis	
Testes		Adenoma	
Note: ADENOMA	TGLs = 2-10	Bilateral, Interstit Cell	

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11, SKIN MASS IS MAMMARY TUMOR

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 104

TRT#: 2

SEX: Male

DAY ON TEST: 555

DOSE: 21 UG/KG

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	Prostate	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder		

MISSING

Parathyroid Gland Thymus

OBSERVATIONS

Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Cyst	Multiple
		Nephropathy	Chronic, Diffuse, Mild
[Nephropathy TGLS = 4-1]			
Liver	Centrilobular	Vacuolization Cytoplasmic	Diffuse, Moderate
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
Note: INFILTRAT CELL TGLs = 3-7			
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland	Duct	Ectasia	Marked
		Hyperplasia	Moderate
Note: HYPERPLASIA TGLs = 1-12			
Note: ECTASIA TGLs = 1-12			
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA TGLs = 2-10			
Thyroid Gland	C Cell	Hyperplasia	Mild
Zymbal's Gland		Carcinoma	
Note: CARCINOMA TGLs = 5-11			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 104

TRT#: 2

SEX: Male

DAY ON TEST: 555

DOSE: 21 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: TGL5-11, MASS IN SKIN PROBABLYYY COMES FROM ZYMBALS GLAND

Animal Note: MORIBUND SACRIFICE DUE TO ZYMBALS GLAND TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 105

TRT#: 2
DOSE: 21 UG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO:

OBSERVATIONS

Kidney
Mammary Gland
Note: FIBROADENOMA TGLs = 1-11

Nephropathy
Fibroadenoma

Chronic, Diffuse, Mild

Testes
Note: ADENOMA TGLs = 2-10
Interstitial Cell
Germinal Epith

Adenoma
Atrophy

Marked

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11, SKIN MASS IS MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 106

TRT#: 2
DOSE: 21 UG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO:

OBSERVATIONS

Kidney		Nephropathy	Chronic, Diffuse, Mild
Lymph Node	Inguinal, Sinus	Ectasia	Marked
	Lumbar, Sinus	Ectasia	Moderate
	Mandibular	Infiltration Cellular	Plasma Cell, Mild
Note: ECTASIA TGLs = 3-11,4-12			
Note: INFILTRAT CELL TGLs = 1-7			
Pituitary Gland	Pars Distalis	Carcinoma	
Note: CARCINOMA TGLs = 7-7			
Preputial Gland		Adenoma	
Note: ADENOMA TGLs = 2-13			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 5-10			
Tongue		Squamous Cell Papilloma	
Note: PAPILOMA SQUA TGLs = 6-14			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 107

TRT#: 2

SEX: Male

DAY ON TEST: 731

DOSE: 21 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney	Epithelium, Renal Tubule	Hyperplasia Nephropathy	Multifocal, Mild Chronic, Diffuse, Moderate
Lung Note: INFLAMMATION TGLs = 2-3,3-11	Interstitialium	Inflammation	Chronic Active, Multifocal, Moderate
Preputial Gland Note: ADENOMA TGLs = 4-12		Adenoma	
Testes Note: ADENOMA TGLs = 1-10	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 108

TRT#: 2

SEX: Male

DAY ON TEST: 417

DOSE: 21 UG/KG

DISP: Gavage Death

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

OBSERVATIONS

Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney		Nephropathy	Chronic, Diffuse, Mild
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Mild
		Necrosis	Acute, Moderate
Lung	Perivascular	Edema	Acute, Mild
		Foreign Body	Multifocal, Mild
	Interstitium	Inflammation	Acute, Multifocal, Mild
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Testes	Interstit Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH PROBABLY GAVAGE RELATED

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 109

TRT#: 2
DOSE: 21 UG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO:

OBSERVATIONS

Kidney			Nephropathy	Chronic, Diffuse, Moderate
Testes		Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 1-10			
Thyroid Gland		C Cell	Adenoma	
Note: ADENOMA	TGLs = 2-7			
Tongue			Squamous Cell Papilloma	
Note: PAPILLOMA SQUA	TGLs = 3-11			

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 110

TRT#: 2
DOSE: 21 UG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO:

OBSERVATIONS

Kidney
Skin
 Note: FIBROSIS TGLs = 1-11
Testes
 Note: ADENOMA TGLs = 2-10

Subcut Tiss

Bilateral, Interstit Cell

Nephropathy
Fibrosis

Adenoma

Chronic, Diffuse, Moderate
Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 111

TRT#: 2
DOSE: 21 UG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO:

OBSERVATIONS

Kidney
Testes
Note: ADENOMA TGLs = 1-10

Bilateral, Interstit Cell

Nephropathy
Adenoma

Chronic, Diffuse, Mild

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 112

TRT#: 2

SEX: Male

DAY ON TEST: 628

DOSE: 21 UG/KG

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

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Cortex	Hyperplasia	Mild
Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney		Nephropathy	Chronic, Diffuse, Mild
		Sarcoma	Metastatic (Uncertain Primary Site)
	[Nephropathy TGLS = 4-1]		
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Mild
	Centrilobular	Vacuolization Cytoplasmic	Diffuse, Mild
Lymph Node	Mediastinal	Sarcoma	Metastatic (Uncertain Primary Site)
Note: SARCOMA	TGLs = 6-2		
Mesentery		Sarcoma	Metastatic (Uncertain Primary Site)
Note: SARCOMA	TGLs = 2-11,9-16,8-17		
Pancreas		Sarcoma	Metastatic (Uncertain Primary Site)
Note: SARCOMA	TGLs = 3-6		
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Skeletal Muscle	Diaphragm	Sarcoma	Metastatic (Uncertain Primary Site)
Note: SARCOMA	TGLs = 1-12		
Testes	Bilateral, Interstit Cell	Adenoma	
Tissue NOS		Sarcoma	Metastatic (Uncertain Primary Site)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 112

TRT#: 2

SEX: Male

DAY ON TEST: 628

DOSE: 21 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: SARCOMA TGLs = 10-15,11-14

PRIMARY CAUSE OF DEATH -

Animal Note: TGL5-7, THYROIDS WITHIN NORMAL LIMITS ON MICRO

Animal Note: TGL7-13, MESENTERIC LYMPH NODES WITHIN NORMAL LIMITS

Animal Note: CAUSE OF DEATH,SARCOMA NOS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 113

TRT#: 2

SEX: Male

DAY ON TEST: 556

DOSE: 21 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	Esophagus	Harderian Gland	Intestine Large - Cecum
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Nose	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Bone Marrow	Femoral	Leukemia Mononuclear	
Heart		Degeneration	Chronic, Multifocal, Mild
Intestine Large	Rectum	Parasite Metazoan	
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Diffuse, Mild
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-4			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
Pancreas	Acinus	Atrophy	Marked
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-7			
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Prostate		Inflammation	Chronic Active, Multifocal, Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-12			

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL4-11, THE PENIS IS NORMAL ON MICRO

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 113

TRT#: 2

SEX: Male

DAY ON TEST: 556

DOSE: 21 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: MORIBUND SACRIFICE DUE TO LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 114

TRT#: 2
DOSE: 21 UG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO:

OBSERVATIONS

Kidney			Nephropathy	Chronic, Diffuse, Moderate
Pituitary Gland		Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 3-7			
Skin		Sebaceous GI	Adenoma	
			Squamous Cell Papilloma	
Note: PAPILLOMA SQUA	TGLs = 1-11			
Note: ADENOMA	TGLs = 2-12			
Testes		Interstit Cell	Adenoma	
		Interstit Cell	Hyperplasia	Mild
Note: ADENOMA	TGLs = 4-10			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 115

TRT#: 2

SEX: Male

DAY ON TEST: 675

DOSE: 21 UG/KG

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 - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Lung
Lymph Node - Mandibular	Nose	Parathyroid Gland	Preputial Gland
Prostate	Salivary Glands	Skin	Spleen
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland Note: PHEOCHROM BGN TGLs = 3-7	Medulla	Pheochromocytoma Benign	
Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney [Nephropathy TGLS = 2-1]		Nephropathy	Chronic, Diffuse, Marked
Lymph Node Note: ECTASIA TGLs = 5-12	Mesenteric, Sinus	Ectasia	Mild
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pancreas Note: INFLAMMATION TGLs = 4-11	Perivascular	Inflammation	Chronic Active, Multifocal, Marked
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Stomach	Forestomach	Inflammation	Chronic Active, Moderate
	Forestomach	Ulcer	Moderate
Testes Note: ADENOMA TGLs = 1-10	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO ADRENAL TUMOR AND NEPHROPATHY

Animal Note: TGL4-11, INFLAMMATION OF PANCREAS, NOT LYMPH NODE

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 116

TRT#: 2
DOSE: 21 UG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO:

OBSERVATIONS

Kidney
Lung
Note: ALV BRON ADEN TGLs = 2-2

Testes
Note: ADENOMA TGLs = 1-10

Interstit Cell
Interstit Cell

Nephropathy
Alveolar/Bronchiolar Adenoma

Adenoma
Hyperplasia

Chronic, Diffuse, Marked

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 117

TRT#: 2

SEX: Male

DAY ON TEST: 418

DOSE: 21 UG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	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	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Preputial Gland	Prostate
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

AUTO PRECLUDES DIAG.

Bone Marrow

OBSERVATIONS

Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney		Nephropathy	Chronic, Diffuse, Mild
Liver	Bile Duct	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-4		
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Mesentery		Inflammation	Chronic Active, Moderate
Note: INFLAMMATION	TGLs = 3-11		
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 2-12		
Testes	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH, MONONUCLEAR CELL LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 118

TRT#: 2

SEX: Male

DAY ON TEST: 262

DOSE: 21 UG/KG

DISP: Gavage Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Islets, Pancreatic
Pituitary Gland
Skin
Thymus

Adrenal Gland - Medulla
Epididymis
Intestine Small - Duodenum
Lymph Node - Mandibular
Preputial Gland
Stomach - Forestomach
Thyroid Gland

Bone
Esophagus
Intestine Small - Ileum
Nose
Prostate
Stomach - Glandular
Trachea

Bone Marrow
Intestine Large - Cecum
Intestine Small - Jejunum
Parathyroid Gland
Salivary Glands
Testes

MISSING

Harderian Gland

Mammary Gland

AUTO PRECLUDES DIAG.

Urinary Bladder

OBSERVATIONS

Heart
Intestine Large
Kidney
Liver
Lung

Pancreas
Spleen
Urethra

Rectum

Perivascular

Acinus

Degeneration
Parasite Metazoan
Nephropathy
Necrosis
Edema
Foreign Body
Atrophy
Depletion Lymphoid
Calculus Micro Observation Only

Chronic, Multifocal, Moderate

Chronic, Diffuse, Mild
Acute, Moderate
Acute, Moderate
Multifocal, Mild
Mild
Mild

Note: CALCUS MIC OBS TGLs = 1-10

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-10, TISSUE NOS IS URETHRAL OBSTRUCTION

Animal Note: CAUSE OF DEATH PROBABLY GAVAGE RELATED

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 119

TRT#: 2
DOSE: 21 UG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO:

OBSERVATIONS

Kidney
Skin
 Note: HYPERKERATOSIS TGLs = 1-11
Testes
 Note: ADENOMA TGLs = 2-10

Nephropathy
Hyperkeratosis

Bilateral, Interstit Cell

Adenoma

Chronic, Diffuse, Moderate
Marked

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 120

TRT#: 2

SEX: Male

DAY ON TEST: 633

DOSE: 21 UG/KG

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	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Heart		Degeneration	Chronic, Multifocal, Moderate
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Chronic, Diffuse, Mild
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Moderate
	Centrilobular	Mixed Cell Focus	
		Vacuolization Cytoplasmic	Diffuse, Mild
Lung		Alveolar/Bronchiolar Adenoma	
Lymph Node	Mediastinal	Congestion	Moderate
Note: CONGESTION TGLs = 2-2		Inflammation	Chronic Active, Multifocal, Mild
Preputial Gland		Angiectasis	Mild
Spleen		Adenoma	
Testes	Bilateral, Interstit Cell	Hyperplasia	Mild
Note: ADENOMA TGLs = 1-10	Interstit Cell		

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO UNDETERMINED CAUSE

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 121

TRT#: 2

SEX: Male

DAY ON TEST: 717

DOSE: 21 UG/KG

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 - Ileum
Intestine Small - Jejunum	Lymph Node - Mandibular	Nose	Prostate
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Degeneration	Chronic, Multifocal, Moderate
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Chronic, Diffuse, Mild
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Moderate
		Necrosis	Acute, Moderate
Lung		Foreign Body	Multifocal, Mild
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Skin	Subcut Tiss	Fibroma	
Note: FIBROMA	TGLs = 1-11		
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 2-10		
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: MOST OF PITUITARY ADENOMA IS ATTACHED TO BRAIN

Animal Note: MORIBUND SACRIFICE DUE TO ACUTE LIVER NECROSIS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 122

TRT#: 2

SEX: Male

DAY ON TEST: 624

DOSE: 21 UG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Harderian Gland	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Nose	Pancreas	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea		

AUTO PRECLUDES DIAG.

Brain	Intestine Large - Cecum	Intestine Large - Rectum	Parathyroid Gland
Thyroid Gland			

OBSERVATIONS

Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney		Hydronephrosis	Moderate
		Nephropathy	Chronic, Diffuse, Moderate
Liver	Bile Duct	Hyperplasia	Multifocal, Moderate
Lung		Foreign Body	Multifocal, Mild
		Pigmentation	Moderate
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Prostate		Inflammation	Acute, Moderate
Seminal Vesicle		Dilatation	Moderate
		Inflammation	Acute, Moderate
Note: DILATATION	TGLs = 2-11		
Spleen		Depletion Lymphoid	Moderate
	Red Pulp	Hematopoietic Cell Proliferation	Diffuse, Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA	TGLs = 3-10		
Urinary Bladder		Ectasia	Marked
		Inflammation	Acute, Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 122

TRT#: 2

SEX: Male

DAY ON TEST: 624

DOSE: 21 UG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: CAUSE OF DEATH< URINARY TRACT INFECTION

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 123

TRT#: 2
DOSE: 21 UG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO:

OBSERVATIONS

Kidney
Testes
[Adenoma TGLS = 1-10]

Bilateral, Interstit Cell

Nephropathy
Adenoma

Chronic, Diffuse, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 124

TRT#: 2

SEX: Male

DAY ON TEST: 409

DOSE: 21 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Prostate	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Testes	Thymus
Thyroid Gland	Trachea		

MISSING

Harderian Gland	Urinary Bladder
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OBSERVATIONS

Bone Marrow	Femoral	Hyperplasia	Neutrophil, Diffuse, Moderate
Brain	Ventricle	Hydrocephalus	Mild
Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney		Nephropathy	Chronic, Diffuse, Mild
Liver		Basophilic Focus	Multiple
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 2-7		
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Stomach	Glandular	Inflammation	Acute, Mild
Zymbal's Gland		Carcinoma	
Note: CARCINOMA	TGLs = 1-11		

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO ZYMBALS GLAND TUMOR

Animal Note: TGL1-11< SKIN MASS IS ZYMBALS GLAND TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 125

TRT#: 2

SEX: Male

DAY ON TEST: 681

DOSE: 21 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Harderian Gland

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Brain		Leukemia Mononuclear	
Heart		Degeneration	Chronic, Multifocal, Mild
		Leukemia Mononuclear	
Kidney		Nephropathy	Chronic, Diffuse, Mild
Liver	Bile Duct	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
	Centrilobular	Vacuolization Cytoplasmic	Diffuse, Moderate
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 5-13,6-11		
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Pancreas		Leukemia Mononuclear	
Pituitary Gland		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 8-7		
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 1-12,2-12,3-12		
Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 125

TRT#: 2

SEX: Male

DAY ON TEST: 681

DOSE: 21 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 7-10

Thymus

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 4-13

Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO LEUKEMIA

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 126

TRT#: 2
DOSE: 21 UG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO:

OBSERVATIONS

Kidney
Testes
[Adenoma TGLS = 1-10]

Bilateral, Interstit Cell

Nephropathy
Adenoma

Chronic, Diffuse, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 127

TRT#: 2
DOSE: 21 UG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO:

OBSERVATIONS

Kidney			Nephropathy	Chronic, Diffuse, Moderate
Testes		Bilateral, Interstit Cell	Adenoma	
		Interstit Cell	Hyperplasia	Mild
Note: ADENOMA	TGLs = 1-10			
Thyroid Gland		C Cell	Carcinoma	
Note: CARCINOMA	TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 128

TRT#: 2

SEX: Male

DAY ON TEST: 488

DOSE: 21 UG/KG

DISP: Gavage Death

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 - Mandibular	Pancreas	Preputial Gland	Prostate
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Harderian Gland	Mammary Gland	Parathyroid Gland
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AUTO PRECLUDES DIAG.

Nose

OBSERVATIONS

Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Nephropathy	Chronic, Diffuse, Minimal
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Mild
Lung	Perivascular	Edema	Acute, Mild
		Foreign Body	Multifocal, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 1-7		
Spleen		Depletion Lymphoid	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH POSSIBLY GAVAGE RELATED

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 129

TRT#: 2
DOSE: 21 UG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO:

OBSERVATIONS

Kidney
Testes
Note: ADENOMA TGLs = 1-10

Bilateral, Interstit Cell

Nephropathy
Adenoma

Chronic, Diffuse, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 130

TRT#: 2

SEX: Male

DAY ON TEST: 702

DOSE: 21 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Epididymis
Esophagus	Harderian Gland	Intestine Large	Intestine Small
Islets, Pancreatic	Nose	Parathyroid Gland	Preputial Gland
Prostate	Salivary Glands	Skin	Stomach
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Bone Marrow	Femoral	Leukemia Mononuclear	
Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Diffuse, Mild
Liver		Degeneration	Cystic, Focal, Mild
	Bile Duct	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-4		
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 6-2,6-3		
Lymph Node	Mandibular	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 1-7		
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 5-11		
Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA	TGLs = 2-10,3-10		
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 130

TRT#: 2
DOSE: 21 UG/KG

SEX: Male
DISP: Moribund

DAY ON TEST: 702
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 140

TRT#: 2

SEX: Male

DAY ON TEST: 287

DOSE: 21 UG/KG

DISP: Gavage Death

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	Lymph Node - Mandibular
Nose	Pancreas	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland

OBSERVATIONS

Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Nephropathy	Chronic, Diffuse, Minimal
Liver		Necrosis	Acute, Moderate
Lung	Perivascular	Edema	Acute, Moderate
		Foreign Body	Multifocal, Moderate
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH PROBABLY GAVAGE RELATED

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 161

TRT#: 3

SEX: Male

DAY ON TEST: 459

DOSE: 70 UG/KG

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 - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Spleen	Stomach - Glandular
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland Note: PHEOCHROM CPLX TGLs = 3-7	Medulla	Pheochromocytoma Complex	
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney	Epithelium, Renal Tubule Epithelium, Renal Tubule	Degeneration Karyomegaly Nephropathy	Multifocal, Mild Multifocal, Mild Chronic, Diffuse, Mild
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Mild
Lung Note: SQUAM CEL CARC TGLs = 2-2,2-11		Squamous Cell Carcinoma	
Lymph Node	Mediastinal	Squamous Cell Carcinoma	Metastatic (Lung)
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Skin Note: PAPILLOMA SQUA TGLs = 1-12		Squamous Cell Papilloma	
Stomach	Forestomach Forestomach	Inflammation Ulcer	Chronic Active, Minimal Mild
Testes	Interstit Cell	Hyperplasia	Mild
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 161

TRT#: 3

SEX: Male

DAY ON TEST: 459

DOSE: 70 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: MORIBUND SACRIFICE DUE TO LUNG TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 162

TRT#: 3

SEX: Male

DAY ON TEST: 524

DOSE: 70 UG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Epididymis
Intestine Large - Colon
Intestine Small - Jejunum
Parathyroid Gland
Salivary Glands
Stomach - Glandular
Urinary Bladder

Bone
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Pituitary Gland
Skin
Thymus

Bone Marrow
Eye
Intestine Small - Duodenum
Lymph Node - Mandibular
Preputial Gland
Spleen
Thyroid Gland

Brain
Harderian Gland
Intestine Small - Ileum
Nose
Prostate
Stomach - Forestomach
Trachea

AUTO PRECLUDES DIAG.

Intestine Large - Cecum

OBSERVATIONS

Adrenal Gland
Heart
Kidney

Cortex
Renal Tubule
Epithelium, Renal Tubule
Epithelium, Renal Tubule
Epithelium, Renal Tubule

Hypertrophy
Degeneration
Adenoma
Degeneration
Hyperplasia
Karyomegaly
Nephropathy
Proliferation
Hyperplasia
Necrosis
Vacuolization Cytoplasmic

Mild
Chronic, Multifocal, Moderate
Multifocal, Mild
Focal, Moderate
Multifocal, Mild
Chronic, Diffuse, Moderate

Liver

Epithelium, Renal Tubule
Bile Duct

Foreign Body

Focal, Mild
Multifocal, Mild
Acute, Mild
Diffuse, Mild

Lung
Mammary Gland
Pancreas
Testes

Acinus
Bilateral, Interstit Cell
Germinal Epith
Interstit Cell

Hyperplasia
Hyperplasia
Adenoma
Atrophy
Hyperplasia

Cystic, Multifocal, Mild
Focal, Mild
Marked
Mild

Note: ADENOMA TGLs = 2-10

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:34

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 162

TRT#: 3

SEX: Male

DAY ON TEST: 524

DOSE: 70 UG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: TGL1-11, EYE APPEARS TO BE WITHIN NORMAL LIMITS ON MICRO

Animal Note: CAUSE OF DEATH UNDETERMINED

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 163

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 70 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

MISSING

Adrenal Gland - Cortex

OBSERVATIONS

Adrenal Gland

Medulla

Pheochromocytoma Malignant

Note: PHEOCHROM MAL TGLs = 2-12

Islets, Pancreatic

Adenoma

Carcinoma

Note: CARCINOMA TGLs = 3-11

Kidney

Renal Tubule

Adenoma

Epithelium, Renal Tubule

Cytoplasmic Alteration

Focal, Mild

Epithelium, Renal Tubule

Degeneration

Multifocal, Mild

Epithelium, Renal Tubule

Hyperplasia

Focal, Mild

Epithelium, Renal Tubule

Karyomegaly

Multifocal, Mild

Nephropathy

Chronic, Diffuse, Moderate

Lung

Pheochromocytoma Malignant

Metastatic (Adrenal Gland)

Testes

Bilateral, Interstit Cell

Adenoma

Germinal Epith

Atrophy

Marked

Note: ADENOMA TGLs = 1-10

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 164

TRT#: 3
DOSE: 70 UG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO:

OBSERVATIONS

Adrenal Gland
Kidney

Bilateral, Medulla
Epithelium, Renal Tubule
Epithelium, Renal Tubule
Epithelium, Renal Tubule

Pheochromocytoma Benign
Degeneration
Hyperplasia
Karyomegaly
Nephropathy
Adenoma

Multifocal, Mild
Focal, Mild
Multifocal, Mild
Chronic, Diffuse, Moderate

Pituitary Gland
Note: ADENOMA TGLs = 1-7

Pars Distalis

Adenoma
Atrophy

Marked

Testes

Bilateral, Interstit Cell
Germinal Epith

Note: ADENOMA TGLs = 2-10

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 165

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 70 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Epithelium, Renal Tubule
Epithelium, Renal Tubule
Epithelium, Renal Tubule

Degeneration
Hyperplasia
Karyomegaly
Nephropathy

Multifocal, Mild
Multifocal, Mild
Multifocal, Mild
Chronic, Diffuse, Moderate
Multifocal, Mild

Testes

Epithelium, Renal Tubule
Bilateral, Interstit Cell
Germinal Epith

Proliferation
Adenoma
Atrophy

Marked

Note: ADENOMA TGLs = 1-10

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 166

TRT#: 3

SEX: Male

DAY ON TEST: 706

DOSE: 70 UG/KG

DISP: Dead

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	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney	Renal Tubule	Carcinoma	Multiple
	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Mild
[Nephropathy TGLS = 1-11]			
Liver	Bile Duct	Hyperplasia	Multifocal, Moderate
Lung		Foreign Body	Multifocal, Moderate
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
Note: ADENOMA TGLs = 2-10			
Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:34
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 167

TRT#: 3

SEX: Male

DAY ON TEST: 720

DOSE: 70 UG/KG

DISP: Dead

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 - Duodenum	Lung	Lymph Node - Mandibular
Nose	Pituitary Gland	Preputial Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Trachea		

MISSING

Parathyroid Gland	Thymus
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AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Pancreas	Thyroid Gland	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Degeneration	Chronic, Multifocal, Moderate
	Atrium	Sarcoma	Metastatic (Uncertain Primary Site)
Kidney	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Minimal
Liver		Cytoplasmic Alteration	Focal, Moderate
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate
Tissue NOS		Sarcoma	

Note: SARCOMA TGLs = 1-11

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11, CODED AS TISSUE NOS RATHER THAN LYMPH NODE

Animal Note: CAUSE OF DEATH, MASS IN CHEST CAVITY

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 168

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 70 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Spleen

OBSERVATIONS

Kidney

Renal Tubule
Epithelium, Renal Tubule
Epithelium, Renal Tubule

Carcinoma
Degeneration
Karyomegaly
Nephropathy

Multifocal, Mild
Multifocal, Mild
Chronic, Diffuse, Marked

[Nephropathy TGLS = 1-11]

Testes

Bilateral, Interstit Cell
Germinal Epith

Adenoma
Atrophy

Marked

Note: ADENOMA TGLs = 2-10

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 169

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 70 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Renal Tubule
Epithelium, Renal Tubule
Epithelium, Renal Tubule

Carcinoma
Degeneration
Karyomegaly
Nephropathy

Multifocal, Mild
Multifocal, Mild
Chronic, Diffuse, Moderate

[Nephropathy TGLS = 3-1]

Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 1-1]

Testes

Interstit Cell
Germinal Epith

Adenoma
Atrophy

Marked

Note: ADENOMA TGLs = 2-10

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 170

TRT#: 3
DOSE: 70 UG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO:

OBSERVATIONS

Islets, Pancreatic
Kidney

Renal Tubule
Epithelium, Renal Tubule
Epithelium, Renal Tubule

Adenoma
Carcinoma
Degeneration
Karyomegaly
Nephropathy

Multifocal, Mild
Multifocal, Mild
Chronic, Diffuse, Moderate

[Nephropathy TGLS = 2-11]

Testes

Interstit Cell
Germinal Epith

Adenoma
Atrophy

Marked

Note: ADENOMA TGLs = 1-10

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 171

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 70 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal Gland
Note: PHEOCHROM MAL TGLs = 2-7

Medulla

Pheochromocytoma Malignant

Kidney

Epithelium, Renal Tubule
Epithelium, Renal Tubule
Epithelium, Renal Tubule

Cytoplasmic Alteration
Degeneration
Karyomegaly
Nephropathy

Focal, Moderate
Multifocal, Mild
Multifocal, Mild
Chronic, Diffuse, Moderate
Metastatic (Adrenal Gland)

Lung

Testes

Bilateral, Interstit Cell
Germinal Epith

Pheochromocytoma Malignant
Adenoma
Atrophy

Marked

Note: ADENOMA TGLs = 1-10

Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 172

TRT#: 3

SEX: Male

DAY ON TEST: 554

DOSE: 70 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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	Nose	Parathyroid Gland	Preputial Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

MISSING

Lymph Node - Mandibular	Mammary Gland
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OBSERVATIONS

Heart		Degeneration	Chronic, Multifocal, Mild
Kidney	Renal Tubule	Carcinoma	Multiple
	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Mild
[Karyomegaly TGLS = 3-13,4-1]			
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Mild
Lung		Carcinoma	Metastatic (Kidney)
Lymph Node	Mediastinal, Pancreatic, Renal	Carcinoma	Metastatic (Kidney)
Note: CARCINOMA	TGLs = 1-2,2-11,5-12		
Pancreas		Carcinoma	Metastatic (Kidney)
Pituitary Gland	Pars Distalis	Cyst	
Prostate	Epithelium	Hyperplasia	Multifocal, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA	TGLs = 6-10		
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 172

TRT#: 3

SEX: Male

DAY ON TEST: 554

DOSE: 70 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: MORIBUND SACRIFICE DUE TO RENAL TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 173

TRT#: 3

SEX: Male

DAY ON TEST: 546

DOSE: 70 UG/KG

DISP: Dead

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 - Mandibular	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Preputial Gland
Prostate	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Pituitary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Mild
Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Minimal
Liver	Bile Duct	Hyperplasia	Multifocal, Moderate
Lung		Congestion	Moderate
Note: CONGESTION	TGLs = 2-2,2-3		
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH UNDETERMINED

Animal Note: TGL1-2, LYMPH NODE WITHIN NORMAL LIMITS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 174 TRT#: 3 SEX: Male DAY ON TEST: 681
DOSE: 70 UG/KG 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	Lung
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

MISSING

Harderian Gland

OBSERVATIONS

Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney	Renal Tubule	Carcinoma	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Mild
	Epithelium, Renal Tubule	Proliferation	Focal, Mild
[Karyomegaly TGLS = 5-11]			
Mammary Gland		Hyperplasia	Cystic, Multifocal, Minimal
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Skin	Sebaceous GI	Adenoma	
Note: ADENOMA TGLs = 1-12			
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate
Note: ADENOMA TGLs = 2-10,3-10,4-10			
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO RENAL TUMOR
Animal Note: ALL TESTIS LESIONS ARE ASSOCIATED WITH NEOPLASIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 174

TRT#: 3

SEX: Male

DAY ON TEST: 681

DOSE: 70 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: MORIBUND SACRIFICE DUE TO RENAL TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 175

TRT#: 3
DOSE: 70 UG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO:

OBSERVATIONS

Kidney

Epithelium, Renal Tubule
Epithelium, Renal Tubule

Degeneration
Karyomegaly
Nephropathy

Multifocal, Mild
Multifocal, Mild
Chronic, Diffuse, Marked

Testes

Bilateral, Interstit Cell
Germinal Epith

Adenoma
Atrophy

Marked

Note: ADENOMA TGLs = 1-10

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 176

TRT#: 3
DOSE: 70 UG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO:

OBSERVATIONS

Kidney

Epithelium, Renal Tubule
Epithelium, Renal Tubule

Degeneration
Karyomegaly
Nephropathy
Proliferation
Keratoacanthoma

Multifocal, Mild
Multifocal, Mild
Chronic, Diffuse, Marked
Multifocal, Mild

Skin

Note: KERATOACANTHMA TGLs = 1-11

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 177

TRT#: 3

SEX: Male

DAY ON TEST: 516

DOSE: 70 UG/KG

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	Liver
Lung	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Minimal
		Nephropathy	Chronic, Diffuse, Mild
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Preputial Gland		Adenoma	
		Inflammation	Chronic Active, Multifocal, Moderate
Note: ADENOMA TGLs = 1-11			
Testes	Interstitial Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
	Interstitial Cell	Hyperplasia	Mild
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO PREPUTIAL GLAND TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 178

TRT#: 3
DOSE: 70 UG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO:

OBSERVATIONS

Eye

Retina
Lens

Atrophy
Cataract

Diffuse, Marked
Moderate

Note: CATARACT TGLs = 1-11

Note: ATROPHY TGLs = 1-11

Kidney

Epithelium, Renal Tubule
Epithelium, Renal Tubule

Adenoma
Karyomegaly
Nephropathy

Multiple
Multifocal, Mild
Chronic, Diffuse, Marked

Testes

Bilateral, Interstit Cell
Germinal Epith

Adenoma
Atrophy

Marked

Note: ADENOMA TGLs = 2-10

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 179

TRT#: 3

SEX: Male

DAY ON TEST: 507

DOSE: 70 UG/KG

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 - Mandibular	Nose
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Minimal
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney	Renal Tubule	Carcinoma	
	Epithelium, Renal Tubule	Cytoplasmic Alteration	Multifocal, Mild
	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Mild
Note: CARCINOMA TGLs = 4-3			
Liver		Basophilic Focus	Multiple
		Degeneration	Cystic, Focal, Mild
Lung		Carcinoma	Metastatic (Kidney)
Lymph Node	Mediastinal	Carcinoma	Metastatic (Kidney)
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Mesentery		Carcinoma	Metastatic (Kidney)
Note: CARCINOMA TGLs = 2-11			
Pancreas		Carcinoma	Metastatic (Kidney)
Preputial Gland		Hyperplasia	Moderate
Note: HYPERPLASIA TGLs = 1-12			
Spleen		Carcinoma	Metastatic (Kidney)
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate
	Interstit Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 179

TRT#: 3

SEX: Male

DAY ON TEST: 507

DOSE: 70 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 3-10

Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO RENAL TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 180

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 70 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Epithelium, Renal Tubule

Renal Tubule

Epithelium, Renal Tubule

Epithelium, Renal Tubule

Adenoma

Carcinoma

Degeneration

Karyomegaly

Nephropathy

Hyperplasia

Leukemia Mononuclear

Multifocal, Mild

Multifocal, Mild

Chronic, Diffuse, Moderate

Multifocal, Moderate

Liver

Bile Duct

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11, LIVER HAS HIATAL STRESS NODULE, NO TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 181

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 70 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Epithelium, Renal Tubule
Epithelium, Renal Tubule

Degeneration
Karyomegaly
Nephropathy
Fibroadenoma

Multifocal, Mild
Multifocal, Mild
Chronic, Diffuse, Mild

Mammary Gland

Note: FIBROADENOMA TGLs = 1-11

Testes

Bilateral, Interstit Cell
Germinal Epith

Adenoma
Atrophy

Moderate

Note: ADENOMA TGLs = 2-10

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11, SKIN MASS IS MAMMARY GLAND TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 182

TRT#: 3
DOSE: 70 UG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO:

OBSERVATIONS

Kidney

Renal Tubule
Epithelium, Renal Tubule
Epithelium, Renal Tubule
Epithelium, Renal Tubule

Carcinoma
Degeneration
Hyperplasia
Karyomegaly
Nephropathy

Multifocal, Mild
Focal, Mild
Multifocal, Mild
Chronic, Diffuse, Marked

Testes

Bilateral, Interstit Cell
Germinal Epith

Adenoma
Atrophy

Moderate

[Adenoma TGLS = 1-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 183

TRT#: 3

SEX: Male

DAY ON TEST: 712

DOSE: 70 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Harderian Gland

OBSERVATIONS

Adrenal Gland	Bilateral, Cortex	Atrophy	Diffuse, Moderate
Note: ATROPHY	TGLs = 4-7		
Brain		Compression	
Epididymis		Atrophy	Diffuse, Moderate
Kidney	Epithelium, Renal Tubule	Degeneration	Multifocal, Minimal
	Epithelium, Renal Tubule	Hyperplasia	Focal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Minimal
Liver	Bile Duct	Hyperplasia	Multifocal, Moderate
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Mesentery		Inflammation	Chronic Active, Moderate
Note: INFLAMMATION	TGLs = 2-11		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 3-7		
Preputial Gland		Inflammation	Chronic Active, Multifocal, Moderate
Prostate		Atrophy	Diffuse, Moderate
Testes	Germinal Epith	Atrophy	Marked
Note: ATROPHY	TGLs = 1-10		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 183

TRT#: 3

SEX: Male

DAY ON TEST: 712

DOSE: 70 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: MORIBUND SACRIFICE DUE TO PITUITARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 184

TRT#: 3

SEX: Male

DAY ON TEST: 717

DOSE: 70 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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	Lymph Node - Mandibular	Parathyroid Gland
Prostate	Salivary Glands	Skin	Spleen
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
Liver	Epithelium, Renal Tubule	Nephropathy	Chronic, Diffuse, Marked
		Proliferation	Multifocal, Mild
	Periportal	Basophilic Focus	Multiple
Mammary Gland		Vacuolization Cytoplasmic	Diffuse, Mild
		Adenoma	
		Hyperplasia	Cystic, Multifocal, Moderate
Pancreas	Acinus	Hyperplasia	Focal, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Stomach	Forestomach	Inflammation	Chronic Active, Moderate
	Forestomach	Ulcer	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
		Germinal Epith	Atrophy
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 184

TRT#: 3

SEX: Male

DAY ON TEST: 717

DOSE: 70 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: MORIBUND SACRIFICE DUE TO UNDETERMINED CAUSE

Animal Note: TGL3-10< TESTIS WITHIN NORMAL LIMITS FOR SIZE

Animal Note: TGL1-11< SKIN MASS IS MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 185

TRT#: 3
DOSE: 70 UG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO:

OBSERVATIONS

Kidney

Epithelium, Renal Tubule
Epithelium, Renal Tubule
Epithelium, Renal Tubule

Degeneration
Hyperplasia
Karyomegaly
Nephropathy

Multifocal, Mild
Focal, Mild
Multifocal, Mild
Chronic, Diffuse, Moderate

Testes

Bilateral, Interstit Cell
Germinal Epith

Adenoma
Atrophy

Marked

[Adenoma TGLS = 1-10]

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 186

TRT#: 3

SEX: Male

DAY ON TEST: 561

DOSE: 70 UG/KG

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	Nose
Pituitary Gland	Preputial Gland	Prostate	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Parathyroid Gland

OBSERVATIONS

Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney	Renal Tubule	Carcinoma	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Minimal
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Minimal
		Nephropathy	Chronic, Diffuse, Mild
	[Karyomegaly TGLS = 5-12]		
Liver		Basophilic Focus	Multiple
Lung		Carcinoma	Metastatic (Kidney)
Note: CARCINOMA	TGLs = 6-2,6-3		
Lymph Node	Mediastinal	Carcinoma	Metastatic (Kidney)
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Pancreas		Carcinoma	Metastatic (Kidney)
Note: CARCINOMA	TGLs = 4-6		
Skin	Subcut Tiss	Sarcoma	
Note: SARCOMA	TGLs = 1-11		
Spleen	Red Pulp	Hematopoietic Cell Proliferation	Diffuse, Moderate
Note: HEMA CELL PROL	TGLs = 3-1		
Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate
	Interstit Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 186

TRT#: 3

SEX: Male

DAY ON TEST: 561

DOSE: 70 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 2-10

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUNDSAC> DUE TO RENAL TUMOR AND SKIN MASS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 187

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 70 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Atrophy	Diffuse, Marked
	Lens	Cataract	Mild
Note: CATARACT TGLs = 3-13			
Note: ATROPHY TGLs = 3-13			
Kidney	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Moderate
	Epithelium, Renal Tubule	Proliferation	Multifocal, Moderate
	Pars Distalis	Carcinoma	
Pituitary Gland			
Note: CARCINOMA TGLs = 5-7			
Skin		Basosquamous Tumor Benign	
		Hyperkeratosis	Marked
Note: HYPERKERATOSIS TGLs = 1-11			
Note: BASOSQU TM BGN TGLs = 2-12			
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate
Note: ADENOMA TGLs = 4-10			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 188

TRT#: 3
DOSE: 70 UG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO:

OBSERVATIONS

Kidney

Bilateral, Renal Tubule
Epithelium, Renal Tubule
Epithelium, Renal Tubule

Carcinoma
Degeneration
Karyomegaly
Nephropathy

Multifocal, Mild
Multifocal, Mild
Chronic, Diffuse, Mild

Note: CARCINOMA TGLs = 2-1

Testes

Bilateral, Interstit Cell
Germinal Epith

Adenoma
Atrophy

Marked

[Adenoma TGLS = 1-10]

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 189

TRT#: 3

SEX: Male

DAY ON TEST: 709

DOSE: 70 UG/KG

DISP: Dead

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 - Duodenum	Islets, Pancreatic	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Preputial Gland
Prostate	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

AUTO PRECLUDES DIAG.

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

Adrenal Gland	Medulla	Hyperplasia	Moderate
	Medulla	Pheochromocytoma Benign	
Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Hyperplasia	Focal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Marked
Liver	Epithelium, Renal Tubule	Proliferation	Multifocal, Mild
		Basophilic Focus	Multiple
Lung	Bile Duct	Hyperplasia	Multifocal, Moderate
Pituitary Gland		Foreign Body	Multifocal, Moderate
Note: ADENOMA TGLs = 3-7	Pars Distalis	Adenoma	
Skin		Squamous Cell Papilloma	
Note: PAPILLOMA SQUA TGLs = 4-11			
Spleen	Red Pulp	Fibrosis	Moderate
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA TGLs = 1-10			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 189

TRT#: 3

SEX: Male

DAY ON TEST: 709

DOSE: 70 UG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL2-2, MEDIASTINAL NODE WITHIN NORMAL LIMITS

Animal Note: PROBABLE CAUSE OF DEATH, PITUITARY AN ADRENAL TUMORS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 190

TRT#: 3
DOSE: 70 UG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO:

OBSERVATIONS

Kidney

Epithelium, Renal Tubule
Epithelium, Renal Tubule
Epithelium, Renal Tubule

Degeneration
Hyperplasia
Karyomegaly
Nephropathy
Squamous Cell Papilloma

Multifocal, Mild
Multifocal, Mild
Multifocal, Mild
Chronic, Diffuse, Mild

Skin

Note: PAPILLOMA SQUA TGLs = 1-11

Testes

Bilateral, Interstit Cell
Germinal Epith

Adenoma
Atrophy

Marked

Note: ADENOMA TGLs = 2-10

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 191

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 70 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Epithelium, Renal Tubule
Epithelium, Renal Tubule
Epithelium, Renal Tubule

Degeneration
Hyperplasia
Karyomegaly
Nephropathy
Keratoacanthoma

Multifocal, Mild
Focal, Mild
Multifocal, Mild
Chronic, Diffuse, Moderate

Skin

Note: KERATOACANTHOMA TGLs = 1-11

Testes

Bilateral, Interstit Cell
Germinal Epith

Adenoma
Atrophy

Marked

Note: ADENOMA TGLs = 2-10

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11, THE LINING EPITH. HAS ULCERATED IN THE MIDDLE

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 192

TRT#: 3

SEX: Male

DAY ON TEST: 544

DOSE: 70 UG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Medulla	Leukemia Mononuclear	
Bone Marrow	Femoral	Leukemia Mononuclear	
Heart		Degeneration	Chronic, Multifocal, Moderate
Islets, Pancreatic		Adenoma	
Kidney	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Leukemia Mononuclear	
		Nephropathy	Chronic, Diffuse, Mild
Liver		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 6-4		
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 7-2		
Mesentery		Inflammation	Chronic Active, Marked
Note: INFLAMMATION	TGLs = 5-11		
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 2-12,3-12,4-12		
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate
Note: ADENOMA	TGLs = 1-10		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 192

TRT#: 3

SEX: Male

DAY ON TEST: 544

DOSE: 70 UG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH, MONONUCLEAR LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 193

TRT#: 3

SEX: Male

DAY ON TEST: 572

DOSE: 70 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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	Prostate	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Medulla	Leukemia Mononuclear	
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney	Renal Tubule	Carcinoma	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Hyperplasia	Focal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Leukemia Mononuclear	
		Nephropathy	Chronic, Diffuse, Mild
	[Karyomegaly TGLS = 4-1]		
Liver		Leukemia Mononuclear	
Note: LEUKEMIA MONUC			
TGLs = 3-4			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Mesentery		Inflammation	Chronic Active, Marked
Note: INFLAMMATION			
TGLs = 1-11			
Preputial Gland		Inflammation	Chronic Active, Multifocal, Moderate
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC			
TGLs = 2-12			
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 193

TRT#: 3

SEX: Male

DAY ON TEST: 572

DOSE: 70 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland	C Cell	Hyperplasia	Mild
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PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO MONONUCLEAR LEUKEMIA

Animal Note: TGL4-1, CONSIDERED AS ONE TUMOR

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 194

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 70 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Epithelium, Renal Tubule
Epithelium, Renal Tubule

Degeneration
Karyomegaly
Nephropathy

Multifocal, Mild
Multifocal, Mild
Chronic, Diffuse, Marked

Testes

Bilateral, Interstit Cell
Germinal Epith

Adenoma
Atrophy

Marked

Note: ADENOMA TGLs = 1-10

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 195

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 70 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Hyperplasia	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Mild
	Epithelium, Renal Tubule	Proliferation	Focal, Mild
	Pars Distalis	Adenoma	
Pituitary Gland			
Note: ADENOMA	TGLs = 2-7		
Skin	Subcut Tiss	Fibroma	
Note: FIBROMA	TGLs = 1-11		
Spleen		Fibrosarcoma	
Note: FIBROSARC	TGLs = 4-1		
Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
	Interstit Cell	Hyperplasia	Mild
Note: HYPERPLASIA	TGLs = 3-10		
Note: ADENOMA	TGLs = 3-10		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 196

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 70 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

OBSERVATIONS

Adrenal Gland

Bilateral, Medulla

Pheochromocytoma Benign

Note: PHEOCHROM BGN TGLs = 1-7

Kidney

Epithelium, Renal Tubule

Degeneration

Multifocal, Mild

Epithelium, Renal Tubule

Hyperplasia

Focal, Mild

Epithelium, Renal Tubule

Karyomegaly

Multifocal, Mild

Nephropathy

Chronic, Diffuse, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 197

TRT#: 3

SEX: Male

DAY ON TEST: 669

DOSE: 70 UG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Intestine Large - Colon
Intestine Small - Jejunum
Pancreas
Salivary Glands
Thymus

Bone
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Parathyroid Gland
Skin
Thyroid Gland

Bone Marrow
Harderian Gland
Intestine Small - Duodenum
Lymph Node - Mandibular
Preputial Gland
Stomach - Forestomach
Trachea

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Nose
Prostate
Stomach - Glandular
Urinary Bladder

MISSING

Mammary Gland

AUTO PRECLUDES DIAG.

Spleen

OBSERVATIONS

Adrenal Gland
Heart
Kidney

Liver
Lung
Pituitary Gland
Testes

Medulla

Epithelium, Renal Tubule
Epithelium, Renal Tubule

Interstitialium
Pars Distalis
Interstitial Cell
Germinal Epith

Pheochromocytoma Benign
Degeneration
Degeneration
Karyomegaly
Nephropathy
Basophilic Focus
Inflammation
Hyperplasia
Adenoma
Atrophy

Chronic, Multifocal, Moderate
Multifocal, Mild
Multifocal, Mild
Chronic, Diffuse, Mild
Multiple
Chronic Active, Multifocal, Mild
Mild
Marked

Note: ADENOMA TGLs = 1-10

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH UNDETERMINED

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 198

TRT#: 3

SEX: Male

DAY ON TEST: 540

DOSE: 70 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Intestine Large
Intestine Small	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Nose	Pancreas	Preputial Gland	Prostate
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Trachea	Urinary Bladder

MISSING

Harderian Gland	Parathyroid Gland
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INSUFFICIENT TISSUE

Skin

OBSERVATIONS

Heart		Degeneration	Chronic, Multifocal, Mild
Kidney	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Mild
Liver	Bile Duct	Hyperplasia	Multifocal, Mild
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Mesentery		Inflammation	Chronic Active, Marked
Note: INFLAMMATION	TGLs = 2-11		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 1-7		
Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL3-7,4-2, MANDIBULAR AND MEDIASTINAL NODES NORMAL

Animal Note: MORIBUND SACRIFICE DUE TO PITUITARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 199

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 70 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Epithelium, Renal Tubule
Epithelium, Renal Tubule

Degeneration
Karyomegaly
Nephropathy

Multifocal, Mild
Multifocal, Mild
Chronic, Diffuse, Moderate

Testes

Bilateral, Interstit Cell
Germinal Epith

Adenoma
Atrophy

Marked

[Adenoma TGLS = 1-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 200

TRT#: 3

SEX: Male

DAY ON TEST: 297

DOSE: 70 UG/KG

DISP: Gavage Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Brain		Astrocytoma Malignant	
	Ventricle	Hydrocephalus	Moderate
Note: ASTROCYTO MAL TGLs = 1-5			
Kidney	Epithelium, Renal Tubule	Degeneration	Multifocal, Minimal
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Minimal
		Nephropathy	Chronic, Diffuse, Minimal
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Preputial Gland		Inflammation	Chronic Active, Multifocal, Moderate
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH, BRAIN TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 201

TRT#: 3

SEX: Male

DAY ON TEST: 691

DOSE: 70 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Harderian Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
	Medulla	Leukemia Mononuclear	
Bone Marrow	Femoral	Leukemia Mononuclear	
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney	Epithelium, Renal Tubule	Adenoma	
	Renal Tubule	Carcinoma	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Leukemia Mononuclear	
		Nephropathy	Chronic, Diffuse, Mild
[Karyomegaly TGLS = 8-1]			
Liver	Bile Duct	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 7-4			
Lung	Alveolar Epith	Hyperplasia	Moderate
		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-2,2-12,6-6			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 201	TRT#: 3 DOSE: 70 UG/KG	SEX: Male DISP: Moribund	DAY ON TEST: 691 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Mammary Gland		Hyperplasia	Cystic, Multifocal, Marked
Pancreas	Acinus	Atrophy Leukemia Mononuclear	Marked
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-11,4-11			
Testes	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy	Marked
Note: ADENOMA TGLs = 5-10			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO MONONUCLEAR LEUKEMIA

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 202

TRT#: 3

SEX: Male

DAY ON TEST: 716

DOSE: 70 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Brain		Osteosarcoma	Metastatic (Uncertain Primary Site)
Note: OSTEOSARC	TGLs = 6-12		
Kidney	Renal Tubule	Carcinoma	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Mild
[Nephropathy TGLS = 4-1]			
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Mild
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Moderate
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pituitary Gland	Pars Distalis	Carcinoma	
Note: CARCINOMA			
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Skin		Keratoacanthoma	
Note: KERATOACANTHMA	TGLs = 1-14		
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate
Note: ADENOMA	TGLs = 3-10		
Thyroid Gland	C Cell	Hyperplasia	Mild
Tongue		Squamous Cell Papilloma	
Note: PAPILOMA SQUA	TGLs = 5-11		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 202

TRT#: 3

SEX: Male

DAY ON TEST: 716

DOSE: 70 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL2-13, EYES ARE WITHIN NORMAL LIMITS ON MICRO

Animal Note: MORIBUND SACRIFICE DUE TO BRAIN TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 203

TRT#: 3

SEX: Male

DAY ON TEST: 290

DOSE: 70 UG/KG

DISP: Gavage Death

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	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Preputial Gland	Prostate	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Minimal
Liver	Bile Duct	Hyperplasia	Multifocal, Mild
Lung		Congestion	Mild
		Foreign Body	Multifocal, Mild
	Interstitialium	Inflammation	Acute, Multifocal, Mild
Skin	Subcut Tiss	Fibrosarcoma	

Note: FIBROSARC TGLs = 1-12

PRIMARY CAUSE OF DEATH

-

Animal Note: COD, PROBABLE GAVAGE DEATH

Animal Note: TGL2-11,3-11, LIVER NODULES ARE HIATAL STRESS TYPE

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 204

TRT#: 3
DOSE: 70 UG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO:

OBSERVATIONS

Kidney	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Fibrosis	Focal, Mild
	Epithelium, Renal Tubule	Hyperplasia	Focal, Mild
		Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Marked
[Nephropathy TGLS = 2-1]			
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC TGLs = 1-11			
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA TGLs = 3-10			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 205

TRT#: 3

SEX: Male

DAY ON TEST: 674

DOSE: 70 UG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Heart		Degeneration	Chronic, Multifocal, Moderate
Intestine Large	Cecum	Inflammation	Chronic Active, Diffuse, Mild
Note: INFLAMMATION	TGLs = 2-6		
Kidney	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Hyperplasia	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Moderate
	Epithelium, Renal Tubule	Proliferation	Focal, Mild
Liver	Bile Duct	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Spleen		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA	TGLs = 1-10		
Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 205

TRT#: 3

SEX: Male

DAY ON TEST: 674

DOSE: 70 UG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH, MONONUCLEAR CELL LEUKEMIA.

Animal Note: MESENTERIC LYMPH NODE MISSING AT TRIM.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 206

TRT#: 3
DOSE: 70 UG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO:

OBSERVATIONS

Kidney

Renal Tubule
Epithelium, Renal Tubule
Epithelium, Renal Tubule
Epithelium, Renal Tubule

Carcinoma
Degeneration
Hyperplasia
Karyomegaly
Nephropathy
Proliferation

Multiple
Multifocal, Mild
Multifocal, Mild
Multifocal, Mild
Chronic, Diffuse, Marked
Multifocal, Mild

[Nephropathy TGLS = 2-1]

Epithelium, Renal Tubule

Testes

Bilateral, Interstit Cell
Germinal Epith

Adenoma
Atrophy

Marked

Note: ADENOMA TGLs = 1-10

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 207

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 70 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Renal Tubule
Epithelium, Renal Tubule
Epithelium, Renal Tubule

Adenoma
Degeneration
Karyomegaly
Nephropathy

Multifocal, Mild
Multifocal, Mild
Chronic, Diffuse, Moderate

Testes

Bilateral, Interstit Cell
Germinal Epith

Adenoma
Atrophy

Marked

[Adenoma TGLS = 1-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 208

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 70 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney		Epithelium, Renal Tubule Epithelium, Renal Tubule	Degeneration Karyomegaly Nephropathy Adenoma	Multifocal, Mild Multifocal, Mild Chronic, Diffuse, Moderate
Pituitary Gland		Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 2-7			
Testes		Interstit Cell Germinal Epith Interstit Cell	Adenoma Atrophy Hyperplasia	Marked Mild
Note: ADENOMA	TGLs = 1-10			
Thyroid Gland		C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Ochratoxin A
 CAS Number: 303-47-9

Date Report Requested: 10/20/2014
 Time Report Requested: 17:52:35
 First Dose M/F: NA / NA
 Lab: BAT

ANIMAL ID: 209

TRT#: 3

SEX: Male

DAY ON TEST: 712

DOSE: 70 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Nose	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

MISSING

Harderian Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
	Medulla	Hyperplasia	Mild
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney	Renal Tubule	Carcinoma	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Minimal
		Nephropathy	Chronic, Diffuse, Mild
	[Nephropathy TGLS = 4-11]		
Liver	Bile Duct	Hyperplasia	Multifocal, Mild
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Pancreas		Carcinoma	Metastatic (Kidney)
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
Note: ADENOMA	TGLs = 1-10,2-10,3-10		
Thyroid Gland	C Cell	Carcinoma	

PRIMARY CAUSE OF DEATH

-

Animal Note: ALL TESTIS LESIONS ASSOCIATED WITH TUMOR FORMATION

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 209

TRT#: 3

SEX: Male

DAY ON TEST: 712

DOSE: 70 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: MORIBUND SACRIFICE DUE TO RENAL TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 210

TRT#: 3

SEX: Male

DAY ON TEST: 589

DOSE: 70 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	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	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Bone Marrow	Femoral	Leukemia Mononuclear	
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Leukemia Mononuclear	
		Nephropathy	Chronic, Diffuse, Minimal
Liver		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 8-4		
Lung	Alveolar Epith	Hyperplasia	Moderate
		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 2-7,4-2,7-12		
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Skin		Keratoacanthoma	
		Squamous Cell Papilloma	
Note: KERATOACANTHMA	TGLs = 1-14		
Note: PAPILLOMA SQUA	TGLs = 3-11		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 210	TRT#: 3 DOSE: 70 UG/KG	SEX: Male DISP: Moribund	DAY ON TEST: 589 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Spleen Note: LEUKEMIA MONUC TGLs = 6-13		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell Interstit Cell	Adenoma Hyperplasia	Mild
Thyroid Gland	C Cell	Hyperplasia	Mild
Tongue Note: PAPILLOMA SQUA TGLs = 5-15		Squamous Cell Papilloma	

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH, LEUKEMIA MONONUCLEAR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 219

TRT#: 3

SEX: Male

DAY ON TEST: 382

DOSE: 70 UG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Rectum
Mammary Gland
Preputial Gland
Spleen
Thyroid Gland

Adrenal Gland - Medulla
Epididymis
Intestine Small - Jejunum
Pancreas
Prostate
Stomach - Forestomach
Trachea

Bone
Esophagus
Islets, Pancreatic
Parathyroid Gland
Salivary Glands
Stomach - Glandular
Urinary Bladder

Bone Marrow
Intestine Large - Colon
Lymph Node - Mandibular
Pituitary Gland
Skin
Thymus

MISSING

Harderian Gland

AUTO PRECLUDES DIAG.

Intestine Large - Cecum

Intestine Small - Duodenum

Intestine Small - Ileum

OBSERVATIONS

Heart
Kidney

Epithelium, Renal Tubule
Epithelium, Renal Tubule

Degeneration
Degeneration
Karyomegaly
Nephropathy
Vacuolization Cytoplasmic
Foreign Body
Hyperplasia
Atrophy

Chronic, Multifocal, Mild
Multifocal, Mild
Multifocal, Mild
Chronic, Diffuse, Minimal
Diffuse, Mild
Multifocal, Mild
Moderate
Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH UNDETERMINED

Animal Note: TGL1-2,1-3, THE LUNG APPEARS TO BE WITHIN NORMAL LIMITS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 241

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Prostate
Stomach - Forestomach
Urinary Bladder

Adrenal Gland - Medulla
Epididymis
Intestine Large - Colon
Intestine Small - Jejunum
Nose
Salivary Glands
Stomach - Glandular

Bone
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Pancreas
Skin
Thymus

Bone Marrow
Harderian Gland
Intestine Small - Duodenum
Lung
Parathyroid Gland
Spleen
Trachea

MISSING

Mammary Gland

OBSERVATIONS

Heart
Kidney

Renal Tubule

Epithelium, Renal Tubule
Epithelium, Renal Tubule
Epithelium, Renal Tubule

[Nephropathy TGLS = 2-1]

Liver

Pituitary Gland
Preputial Gland
Testes

Bile Duct
Pars Distalis

Bilateral, Interstit Cell
Germinal Epith

Degeneration
Adenoma
Cyst
Degeneration
Hyperplasia
Karyomegaly
Nephropathy

Basophilic Focus
Clear Cell Focus

Hyperplasia
Hyperplasia
Inflammation
Adenoma
Atrophy

Hyperplasia

Chronic, Multifocal, Moderate

Multifocal, Mild

Focal, Mild

Multifocal, Mild

Chronic, Diffuse, Moderate

Multiple

Multifocal, Mild

Moderate

Chronic Active, Multifocal, Mild

Marked

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 242

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

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	Lung	Lymph Node - Mandibular
Nose	Parathyroid Gland	Prostate	Salivary Glands
Skin	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Moderate
Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney		Cyst	Multiple
	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Marked
Liver		Basophilic Focus	Multiple
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Multifocal, Mild
	Centrilobular	Vacuolization Cytoplasmic	Diffuse, Mild
Lung			
Note: LUNG NOT INFLATED AT NECROPSY			
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Pancreas	Acinus	Adenoma	
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Chronic Active, Multifocal, Moderate
Spleen	Red Pulp	Fibrosis	Moderate
	Red Pulp	Infiltration Cellular	Lipocyte, Multifocal, Moderate
Note: FIBROSIS TGLs = 2-1			
Stomach	Forestomach	Acanthosis	Moderate
Note: ACANTHOSIS TGLs = 3-6			
Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 242

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA	TGLs = 1-10	Germinal Epith	Atrophy	Marked
Thyroid Gland		C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH		-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 243

TRT#: 4

SEX: Male

DAY ON TEST: 513

DOSE: 210 UG/ KG

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

OBSERVATIONS

Blood		Leukemia Mononuclear	
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
Liver		Nephropathy	Chronic, Diffuse, Mild
	Epithelium, Renal Tubule	Proliferation	Focal, Mild
	Bile Duct	Hyperplasia	Multifocal, Marked
	Centrilobular	Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Diffuse, Mild
Note: TGL3-11, NODULE ON LIVER IS HIATAL STRESS TYPE, NO TUMOR			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pituitary Gland	Pars Intermed	Cyst	
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-12			
Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Moderate
Note: ADENOMA TGLs = 1-10			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 243

TRT#: 4

SEX: Male

DAY ON TEST: 513

DOSE: 210 UG/ KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: MORIBUND SACRIFICE DUE TO LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 244

TRT#: 4

SEX: Male

DAY ON TEST: 425

DOSE: 210 UG/ KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Harderian Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Kidney	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Hyperplasia	Focal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Moderate
Liver	Bile Duct	Nephropathy	Chronic, Diffuse, Mild
		Hyperplasia	Multifocal, Mild
Lung		Foreign Body	Multifocal, Minimal
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Preputial Gland		Inflammation	Chronic Active, Multifocal, Moderate
Skin	Subcut Tiss	Fibroma	
Note: FIBROMA	TGLs = 2-11		
Testes	Interstitial Cell	Adenoma	Marked
	Germinal Epith	Atrophy	Mild
	Interstitial Cell	Hyperplasia	
Note: ATROPHY	TGLs = 1-10		
Note: ADENOMA	TGLs = 1-10		

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO LARGE SUBCUTIS TUMOR

Animal Note: TGL2-11 TISSUE NOS IS SUBCUTIS TUMOR ENTERED UNDER SKIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 245

TRT#: 4

SEX: Male

DAY ON TEST: 513

DOSE: 210 UG/ KG

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
Lymph Node - Mandibular	Nose	Parathyroid Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Heart		Degeneration	Chronic, Multifocal, Mild
Kidney	Renal Tubule	Adenoma	
		Cyst	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Marked
Note: CYST	TGLs = 5-14		
Liver	Bile Duct	Hyperplasia	Multifocal, Mild
	Centrilobular	Vacuolization Cytoplasmic	Diffuse, Moderate
Lymph Node	Pancreatic	Adenocarcinoma	Metastatic (Stomach)
Note: ADENOCARC	TGLs = 3-12		
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 1-11		
Mesentery		Inflammation	Chronic Active, Moderate
Note: INFLAMMATION	TGLs = 2-13		
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Cyst	
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Stomach	Glandular	Adenocarcinoma	
Note: ADENOCARC	TGLs = 4-6,4-15		
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 245

TRT#: 4

SEX: Male

DAY ON TEST: 513

DOSE: 210 UG/ KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11 SKIN MASS IS MAMMARY GLAND TUMOR

Animal Note: MORIBUND SACRIFICE DUE TO STOMACH TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 246

TRT#: 4

SEX: Male

DAY ON TEST: 416

DOSE: 210 UG/ KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	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 - Mandibular	Nose
Parathyroid Gland	Preputial Gland	Prostate	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Epididymis		Carcinoma	Metastatic (Kidney)
Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney	Capsule	Carcinoma	Metastatic (Kidney)
	Renal Tubule	Carcinoma	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
Note: CARCINOMA	TGLs = 7-14,8-1		
Liver		Carcinoma	Metastatic (Kidney)
Note: CARCINOMA	TGLs = 4-12		
Lung		Carcinoma	Metastatic (Kidney)
Lymph Node	Mediastinal, Pancreatic, Renal	Carcinoma	Metastatic (Kidney)
Note: CARCINOMA	TGLs = 1-2,9-13		
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Mesentery		Carcinoma	Metastatic (Kidney)
Note: CARCINOMA	TGLs = 3-11.5-12,6-12		
Pancreas		Carcinoma	Metastatic (Kidney)
Note: CARCINOMA	TGLs = 2-11		
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Testes	Tunic	Carcinoma	Metastatic (Kidney)
	Interstit Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 246

TRT#: 4

SEX: Male

DAY ON TEST: 416

DOSE: 210 UG/ KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL10-10 SIZE OF TESTIS WITHIN NORMAL LIMITS

PRIMARY CAUSE OF DEATH -

Animal Note: TO THE LIVER SURFACE, NOT PART OF LIVER

Animal Note: TGL5-12,6-12, ARE METASTATIC TUMOR IN MESENTERY ATTACHED

Animal Note: MORIBUND SACRIFICE DUE TO METASTATIC RENAL TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 247

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

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	Lymph Node - Mandibular	Mammary Gland	Nose
Parathyroid Gland	Prostate	Salivary Glands	Skin
Spleen	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
Heart		Degeneration	Chronic, Multifocal, Moderate
Islets, Pancreatic		Carcinoma	
Note: CARCINOMA	TGLs = 1-6		
Kidney	Renal Tubule	Carcinoma	Multiple
	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Marked
	Epithelium, Renal Tubule	Proliferation	Multifocal, Mild
[Nephropathy TGLS = 2-11]			
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Mild
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Moderate
Pancreas	Acinus	Atrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Chronic Active, Multifocal, Moderate
Stomach	Forestomach	Inflammation	Chronic Active, Moderate
	Forestomach	Squamous Cell Papilloma	
Testes	Interstitial Cell	Adenoma	
	Interstitial Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 248

TRT#: 4

SEX: Male

DAY ON TEST: 638

DOSE: 210 UG/ KG

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	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney	Renal Tubule	Carcinoma	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Mild
[Nephropathy TGLS = 3-11]			
Liver	Bile Duct	Hyperplasia	Multifocal, Mild
Lung		Carcinoma	Metastatic (Kidney)
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Testes	Interstitial Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
Note: ADENOMA	TGLs = 1-10		
Note: ATROPHY	TGLs = 2-10,1-10		
Thyroid Gland		Carcinoma	Metastatic (Kidney)
Note: CARCINOMA	TGLs = 4-12		

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL4-12 THYMIC MASS IS REALLY LEFT THYROID AREA

Animal Note: MORIBUND SACRIFICE DUE TO METASTATIC RENAL TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 249

TRT#: 4

SEX: Male

DAY ON TEST: 647

DOSE: 210 UG/ KG

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 Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Nose	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Blood		Leukemia Mononuclear	
Heart		Degeneration	Chronic, Multifocal, Moderate
Intestine Large	Rectum	Parasite Metazoan	
Kidney	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Mild
Liver		Basophilic Focus	Multiple
	Centrilobular	Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Diffuse, Mild
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-2,4-3		
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 1-14,2-14		
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Pancreas		Leukemia Mononuclear	
Preputial Gland		Inflammation	Chronic Active, Multifocal, Marked
Prostate		Dilatation	Diffuse, Moderate
		Inflammation	Chronic Active, Multifocal, Moderate
Note: DILATATION	TGLs = 7-11		
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 5-13,6-12		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 249

TRT#: 4

SEX: Male

DAY ON TEST: 647

DOSE: 210 UG/ KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Testes

Bilateral, Interstit Cell
Germinal Epith
Interstit Cell

Adenoma
Atrophy
Hyperplasia
Leukemia Mononuclear

Moderate
Mild

Thymus

Note: LEUKEMIA MONUC TGLs = 3-2

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO LEUKEMIA

Animal Note: TGL3-2 SALIVARY GLAND MASS IS REALLY MANDIBULAR LYMPH ND.

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 250 **TRT#:** 4 **SEX:** Male **DAY ON TEST:** 729
DOSE: 210 UG/ KG **DISP:** Terminal Sacrifice **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 - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Nose
Parathyroid Gland	Prostate	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney		Cyst	Multiple
	Epithelium, Renal Tubule	Degeneration	Multifocal, Moderate
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Marked
Liver	Epithelium, Renal Tubule	Proliferation	Focal, Mild
		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Moderate
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Moderate
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Multifocal, Moderate
Note: FIBROADENOMA TGLs = 1-11			
Pancreas	Acinus	Atrophy	Mild
	Acinus	Focal Cellular Change	
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Preputial Gland		Inflammation	Chronic Active, Multifocal, Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
Note: ADENOMA TGLs = 2-10			
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 250

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: TGL1-11 SKIN MASS, SUBCUTIS, IS MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 251

TRT#: 4

SEX: Male

DAY ON TEST: 540

DOSE: 210 UG/ KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Nose
Pancreas	Pituitary Gland	Prostate	Skin
Spleen	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Harderian Gland	Parathyroid Gland
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OBSERVATIONS

Heart		Degeneration	Chronic, Multifocal, Mild
Kidney	Renal Tubule	Carcinoma	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Moderate
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Moderate
		Nephropathy	Chronic, Diffuse, Mild
[Carcinoma TGLS = 4-12]			
Liver		Basophilic Focus	Multiple
	Centrilobular	Vacuolization Cytoplasmic	Diffuse, Mild
Lung		Carcinoma	Metastatic (Kidney)
Lymph Node	Mediastinal	Carcinoma	Metastatic (Kidney)
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Mesentery		Carcinoma	Metastatic (Kidney)
Note: CARCINOMA	TGLs = 1-11		
Preputial Gland		Inflammation	Chronic Active, Multifocal, Moderate
Salivary Glands	Acinus	Atrophy	Multifocal, Moderate
Stomach	Forestomach	Inflammation	Chronic Active, Moderate
	Forestomach	Ulcer	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
	Interstit Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 251

TRT#: 4

SEX: Male

DAY ON TEST: 540

DOSE: 210 UG/ KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HYPERPLASIA TGLs = 2-10

Note: ATROPHY TGLs = 3-10

Note: ADENOMA TGLs = 3-10

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO METASTATIC RENAL TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 252

TRT#: 4

SEX: Male

DAY ON TEST: 690

DOSE: 210 UG/ KG

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	Nose	Pancreas
Parathyroid Gland	Prostate	Salivary Glands	Skin
Stomach - Forestomach	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Mild
	Cortex	Leukemia Mononuclear	
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney	Renal Tubule	Adenoma	
	Epithelium, Renal Tubule	Cytoplasmic Alteration	Focal, Mild
	Epithelium, Renal Tubule	Degeneration	Multifocal, Moderate
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Moderate
		Nephropathy	Chronic, Diffuse, Moderate
Note: ADENOMA TGLs = 5-1			
Liver	Bile Duct	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Preputial Gland		Inflammation	Chronic Active, Multifocal, Moderate
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-12			
Stomach	Glandular	Hyperplasia	Multifocal, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
Note: ADENOMA TGLs = 3-10			
Note: ATROPHY TGLs = 2-10			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 252	TRT#: 4	SEX: Male	DAY ON TEST: 690
	DOSE: 210 UG/ KG	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland	C Cell	Carcinoma	
	Follicle	Cyst	
	Follicular Cel	Hyperplasia	Mild
Tissue NOS		Sarcoma	
Note: SARCOMA	TGLs = 4-11		

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC. DUE TO LEUKEMIA AND ABDOMINAL TUMOR

Animal Note: MORIBUN SACRIFICE DUE TO LEUKEMIA AND ABDOMINAL TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 253

TRT#: 4

SEX: Male

DAY ON TEST: 400

DOSE: 210 UG/ KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Harderian Gland

OBSERVATIONS

Adrenal Gland	Cortex, Medulla	Carcinoma	Metastatic (Kidney)
Note: ADRENAL CORTEX AND MEDULLA BOTH HAVE METASTATIC TUMOR			
Heart		Carcinoma	Metastatic (Kidney)
Kidney	Renal Tubule	Carcinoma	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Moderate
		Nephropathy	Chronic, Diffuse, Minimal
Note: CARCINOMA	TGLs = 2-11		
Liver	Centrilobular	Vacuolization Cytoplasmic	Diffuse, Mild
Lung		Carcinoma	Metastatic (Kidney)
Note: CARCINOMA	TGLs = 3-2,3-3		
Lymph Node	Mandibular	Carcinoma	Metastatic (Kidney)
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Mesentery		Carcinoma	Metastatic (Kidney)
Note: CARCINOMA	TGLs = 1-12		
Pituitary Gland	Rathkes Cleft	Cyst	Multiple
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Thymus		Carcinoma	Metastatic (Kidney)

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 253

TRT#: 4

SEX: Male

DAY ON TEST: 400

DOSE: 210 UG/ KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: MORIBUND SACRIFICE DUE TO RENAL TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 254

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

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 Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Nose
Parathyroid Gland	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Trachea	Urinary Bladder	

MISSING

Intestine Large - Rectum	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild	
Heart		Degeneration	Chronic, Multifocal, Moderate	
Kidney	Epithelium, Renal Tubule	Cytoplasmic Alteration	Focal, Mild	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Moderate	
	Epithelium, Renal Tubule	Hyperplasia	Multifocal, Mild	
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild	
		Nephropathy	Chronic, Diffuse, Moderate	
Liver	Epithelium, Renal Tubule	Proliferation	Multifocal, Mild	
		Basophilic Focus	Multiple	
		Clear Cell Focus		
		Eosinophilic Focus		
		Bile Duct	Hyperplasia	Multifocal, Moderate
		Centrilobular	Vacuolization Cytoplasmic	Diffuse, Mild
			Hyperplasia	Cystic, Multifocal, Marked
Mammary Gland				
Note: HYPERPLASIA	TGLs = 2-11			
Pancreas	Acinus	Atrophy	Marked	
		Inflammation	Chronic, Diffuse, Moderate	
Pituitary Gland	Pars Distalis	Adenoma		
Note: ADENOMA	TGLs = 4-7			
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild	
Prostate		Inflammation	Chronic Active, Multifocal, Moderate	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 254	TRT#: 4	SEX: Male	DAY ON TEST: 729
	DOSE: 210 UG/ KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Skin		Sebaceous Gl	Adenoma	
Note: ADENOMA	TGLs = 1-12			
Testes		Interstit Cell	Adenoma	
		Germinal Epith	Atrophy	Marked
		Interstit Cell	Hyperplasia	Mild
Note: ADENOMA	TGLs = 3-10			
Note: ATROPHY	TGLs = 3-10			
Thyroid Gland		C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL2-11 IS CYSTIC MAMMARY GLAND, NOT SKIN MASS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 255

TRT#: 4

SEX: Male

DAY ON TEST: 649

DOSE: 210 UG/ KG

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 Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	

MISSING

Intestine Large - Rectum

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
Heart		Degeneration	Chronic, Multifocal, Moderate
Islets, Pancreatic		Adenoma	
Kidney	Epithelium, Renal Tubule	Cytoplasmic Alteration	Multifocal, Mild
	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Hyperplasia	Focal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Mild
Liver		Basophilic Focus	Multiple
Lung		Foreign Body	Multifocal, Moderate
	Interstitialium	Inflammation	Chronic Active, Multifocal, Moderate
Lymph Node			
Note: TGL3-7 MANDIBULAR LYMPH NODE WITHIN NORMAL LIMITS			
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 2-7		
Preputial Gland		Inflammation	Chronic Active, Multifocal, Moderate
Prostate		Inflammation	Chronic Active, Multifocal, Mild
Testes	Interstit Cell	Hyperplasia	Mild
Thyroid Gland	C Cell	Hyperplasia	Moderate
Urinary Bladder		Calculus Micro Observation Only	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 255

TRT#: 4

SEX: Male

DAY ON TEST: 649

DOSE: 210 UG/ KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Zymbal's Gland

Carcinoma

Note: CARCINOMA TGLs = 1-11

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11 SKIN MASS IS ZYMBALS GLAND TUMOR

Animal Note: MORIBUND SACRIFICE DUE TO ZYMBALS GLAND TUMOR

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 256

TRT#: 4

SEX: Male

DAY ON TEST: 684

DOSE: 210 UG/ KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	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 - Mandibular	Nose	Parathyroid Gland
Pituitary Gland	Preputial Gland	Prostate	Salivary Glands
Skin	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Blood		Neutrophilia	
Bone Marrow	Femoral	Hyperplasia	Neutrophil, Diffuse, Moderate
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney	Renal Tubule	Carcinoma	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Moderate
	Epithelium, Renal Tubule	Proliferation	Focal, Mild
Note: CARCINOMA	TGLs = 3-12		
Liver		Basophilic Focus	Multiple
Lung		Carcinoma	Metastatic (Kidney)
Note: CARCINOMA	TGLs = 2-2,2-3		
Lymph Node	Mediastinal	Carcinoma	Metastatic (Kidney)
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Mesentery		Carcinoma	Metastatic (Kidney)
Note: CARCINOMA	TGLs = 5-11		
Pancreas		Carcinoma	Metastatic (Kidney)
Note: CARCINOMA	TGLs = 4-6		
Spleen		Carcinoma	Metastatic (Kidney)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 256	TRT#: 4	SEX: Male	DAY ON TEST: 684
	DOSE: 210 UG/ KG	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Stomach	Red Pulp	Hematopoietic Cell Proliferation	Diffuse, Moderate
Testes	Forestomach	Acanthosis	Mild
	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked

Note: ADENOMA TGLs = 1-10

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC. DUE TO RENAL TUMOR

Animal Note: TGL 5-11,AORTIC MASS IS REALLY IN MESENTARY

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 257

TRT#: 4

SEX: Male

DAY ON TEST: 589

DOSE: 210 UG/ KG

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 - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Nose
Parathyroid Gland	Salivary Glands	Skin	Spleen
Testes	Thymus	Thyroid Gland	Trachea

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
Blood		Neutrophilia	
Heart		Degeneration	Chronic, Multifocal, Mild
Intestine Small	Duodenum	Necrosis	Acute, Focal, Mild
Kidney	Renal Tubule	Carcinoma	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Moderate
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Marked
Note: CARCINOMA TGLs = 1-11			
Liver		Basophilic Focus	Multiple
		Hepatocellular Carcinoma	
	Centrilobular	Vacuolization Cytoplasmic	Diffuse, Moderate
Note: HEPATOCLR CARC TGLs = 2-12			
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pancreas	Acinus	Atrophy	Mild
	Acinus	Hyperplasia	Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 3-7			
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Prostate		Inflammation	Chronic Active, Multifocal, Moderate
Stomach	Forestomach	Acanthosis	Moderate
	Forestomach	Erosion	Minimal
	Forestomach	Inflammation	Chronic Active, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 257

TRT#: 4

SEX: Male

DAY ON TEST: 589

DOSE: 210 UG/ KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Urinary Bladder	Glandular Serosa	Ulcer Necrosis	Mild Chronic Active, Multifocal, Moderate
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PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO RENAL TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 258

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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 - Mandibular	Nose	Pancreas
Parathyroid Gland	Prostate	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
	Medulla	Hyperplasia	Mild
	Medulla	Pheochromocytoma Benign	
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Hyperplasia	Focal, Moderate
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Moderate
Liver	Epithelium, Renal Tubule	Proliferation	Multifocal, Mild
		Basophilic Focus	Multiple
		Clear Cell Focus	
		Cytoplasmic Alteration	Focal, Mild
	Bile Duct	Hyperplasia	Multifocal, Moderate
	Centrilobular	Vacuolization Cytoplasmic	Diffuse, Mild
Lung		Foreign Body	Multifocal, Mild
	Interstitial	Inflammation	Chronic Active, Multifocal, Moderate
Pituitary Gland	Pars Distalis	Cyst	
Preputial Gland	Duct	Ectasia	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 258

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA	TGLs = 1-10	Interstit Cell	Hyperplasia	Mild
Thyroid Gland		C Cell	Adenoma	
PRIMARY CAUSE OF DEATH		-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 259

TRT#: 4

SEX: Male

DAY ON TEST: 540

DOSE: 210 UG/ KG

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	Lung	Nose
Parathyroid Gland	Prostate	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Cortex	Hyperplasia	Mild
Blood		Neutrophilia	
Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney	Epithelium, Renal Tubule	Cytoplasmic Alteration	Focal, Mild
	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Hyperplasia	Focal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Moderate
		Nephropathy	Chronic, Diffuse, Mild
	Epithelium, Renal Tubule	Proliferation	Multifocal, Mild
Liver		Basophilic Focus	Multiple
	Centrilobular	Vacuolization Cytoplasmic	Diffuse, Moderate
Lymph Node	Mandibular	Carcinoma	Metastatic (Zymbal'S Gland)
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
Preputial Gland		Inflammation	Chronic Active, Multifocal, Moderate
Testes	Interstitial Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
	Interstitial Cell	Hyperplasia	Mild

Note: ATROPHY TGLs = 2-10

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 259

TRT#: 4

SEX: Male

DAY ON TEST: 540

DOSE: 210 UG/ KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 2-10

Note: HYPERPLASIA TGLs = 3-10

Zymbal's Gland

Carcinoma

Note: CARCINOMA TGLs = 1-11

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11 EAR MASS IS ZYMBALS GLAND CARCINOMA

Animal Note: MORIBUND SACRIFICE DUE TO ZYMBALS GLAND CARCINOMA

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 260

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney	Bilateral, Renal Tubule	Carcinoma	
	Epithelium, Renal Tubule	Cytoplasmic Alteration	Focal, Mild
	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Moderate
	Epithelium, Renal Tubule	Proliferation	Multifocal, Mild
Note: CARCINOMA TGLs = 1-1,2-1			
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Mild
		Inflammation	Chronic Active, Multifocal, Mild
	Centrilobular	Vacuolization Cytoplasmic	Diffuse, Mild
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Preputial Gland		Adenoma	
		Inflammation	Chronic Active, Multifocal, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
Note: ADENOMA TGLs = 3-10			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 261

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	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	Lymph Node - Mandibular	Nose	Parathyroid Gland
Prostate	Skin	Spleen	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Moderate
	Medulla	Hyperplasia	Mild
Brain		Compression	Moderate
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney	Renal Tubule	Carcinoma	Multiple
	Epithelium, Renal Tubule	Degeneration	Multifocal, Moderate
	Epithelium, Renal Tubule	Hyperplasia	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Marked
	Epithelium, Renal Tubule	Proliferation	Multifocal, Mild
Liver	Periportal	Vacuolization Cytoplasmic	Diffuse, Marked
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pancreas	Acinus	Adenoma	
	Acinus	Hyperplasia	Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 1-7		
Preputial Gland		Inflammation	Chronic Active, Multifocal, Moderate
Stomach	Forestomach	Acanthosis	Marked
	Forestomach	Cyst Epithelial Inclusion	
	Forestomach	Inflammation	Chronic Active, Mild
Testes	Interstitial Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate
Note: ADENOMA	TGLs = 2-10		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 261

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland

Follicular Cel

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 262

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

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 - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Nose	Parathyroid Gland
Pituitary Gland	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney	Renal Tubule	Carcinoma	Multiple
	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Moderate
Note: CARCINOMA TGLs = 3-1			
Liver		Basophilic Focus	Multiple
		Cytoplasmic Alteration	Focal, Mild
	Bile Duct	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
Lung	Interstitium	Inflammation	Chronic Active, Multifocal, Mild
Lymph Node	Mandibular	Leukemia Mononuclear	
Pancreas	Perivascular	Inflammation	Chronic Active, Multifocal, Marked
Preputial Gland		Inflammation	Chronic Active, Multifocal, Moderate
Prostate		Inflammation	Chronic Active, Multifocal, Mild
Skin		Keratoacanthoma	
Note: KERATOACANTHMA TGLs = 1-11			
Spleen		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 262

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 2-10

Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 263

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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 - Mandibular	Nose	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
	Medulla	Pheochromocytoma Complex	
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney	Renal Tubule	Adenoma	
	Renal Tubule	Carcinoma	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Marked
	[Nephropathy TGLS = 2-11]		
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Mild
Lung	Interstitial	Inflammation	Chronic Active, Multifocal, Mild
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Pancreas	Perivascular	Inflammation	Chronic Active, Multifocal, Moderate
Preputial Gland		Inflammation	Chronic Active, Multifocal, Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
Note: ADENOMA	TGLs = 1-10		
Thyroid Gland	Follicular Cel	Adenoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 264

TRT#: 4

SEX: Male

DAY ON TEST: 390

DOSE: 210 UG/ KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Harderian Gland

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney	Lymphatic	Carcinoma	Metastatic (Kidney)
	Renal Tubule	Carcinoma	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
[Carcinoma TGLS = 1-11]			
Lung		Carcinoma	Metastatic (Kidney)
Note: CARCINOMA TGLs = 2-2,2-3			
Lymph Node	Mediastinal	Carcinoma	Metastatic (Kidney)
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Mesentery		Carcinoma	Metastatic (Kidney)
Pancreas	Acinus	Atrophy	Moderate
		Carcinoma	Metastatic (Kidney)
Note: CARCINOMA TGLs = 3-6			
Spleen	Red Pulp	Hematopoietic Cell Proliferation	Diffuse, Moderate
Stomach	Forestomach	Acanthosis	Multifocal, Mild
Testes	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 264

TRT#: 4

SEX: Male

DAY ON TEST: 390

DOSE: 210 UG/ KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: COD METASTATIC RENAL CARCINOMA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 265

TRT#: 4

SEX: Male

DAY ON TEST: 439

DOSE: 210 UG/ KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Harderian Gland	Mammary Gland
-----------------	---------------

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
	Medulla	Hyperplasia	Mild
Heart		Carcinoma	Metastatic (Kidney)
		Degeneration	Chronic, Multifocal, Mild
Kidney	Renal Tubule	Carcinoma	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Hyperplasia	Focal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Moderate
		Nephropathy	Chronic, Diffuse, Mild
[Karyomegaly TGLS = 3-11,4-11]			
Liver		Carcinoma	Metastatic (Kidney)
	Bile Duct	Hyperplasia	Multifocal, Moderate
Lung		Carcinoma	Metastatic (Kidney)
Note: CARCINOMA TGLs = 1-3,2-2			
Lymph Node	Mediastinal	Carcinoma	Metastatic (Kidney)
Mesentery		Carcinoma	Metastatic (Kidney)
Pancreas	Acinus	Focal Cellular Change	
Preputial Gland		Inflammation	Chronic Active, Multifocal, Moderate
Spleen	Red Pulp	Hematopoietic Cell Proliferation	Diffuse, Moderate
Testes	Interstit Cell	Hyperplasia	Mild
Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 265

TRT#: 4

SEX: Male

DAY ON TEST: 439

DOSE: 210 UG/ KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO METASTATIC RENAL CARCINOMA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 266

TRT#: 4

SEX: Male

DAY ON TEST: 544

DOSE: 210 UG/ KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Epididymis
Intestine Large - Colon
Intestine Small - Jejunum
Parathyroid Gland
Skin
Urinary Bladder

Bone
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Preputial Gland
Stomach - Glandular

Bone Marrow
Harderian Gland
Intestine Small - Duodenum
Lymph Node - Mandibular
Prostate
Thymus

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

OBSERVATIONS

Adrenal Gland
Heart

Cortex

Cytoplasmic Alteration
Degeneration

Mild
Chronic, Multifocal, Moderate
Multifocal, Moderate

Kidney

Epicardium
Renal Tubule
Renal Tubule
Epithelium, Renal Tubule

Epithelium, Renal Tubule
Epithelium, Renal Tubule

Fibrosis
Adenoma
Carcinoma
Degeneration
Hydronephrosis
Hyperplasia
Karyomegaly
Nephropathy

Multiple
Multifocal, Mild
Marked
Focal, Mild
Multifocal, Mild
Chronic, Diffuse, Mild

Note: CARCINOMA TGLs = 4-11
[Hydronephrosis TGLS = 5-11]

Liver
Lung

Basophilic Focus
Carcinoma

Multiple
Metastatic (Kidney)

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

Lymph Node
Mammary Gland
Pancreas
Pituitary Gland
Spleen
Stomach
Testes

Mediastinal

Acinus
Pars Distalis
Red Pulp
Forestomach
Bilateral, Interstit Cell

Carcinoma
Hyperplasia
Atrophy
Hyperplasia
Hematopoietic Cell Proliferation
Acanthosis
Adenoma

Metastatic (Kidney)
Cystic, Multifocal, Moderate
Mild
Mild
Diffuse, Moderate
Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 266	TRT#: 4	SEX: Male	DAY ON TEST: 544
	DOSE: 210 UG/ KG	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA	TGLs = 2-10	Germinal Epith	Atrophy	Moderate
Note: ATROPHY	TGLs = 2-10			
Thyroid Gland		C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL3-1, SPLEEN WITHIN NORMAL LIMITS FOR SIZE GIVEN ON GROSS

Animal Note: MORIBUND SACRIFICE DUE TO METASTATIC RENAL CARCINOMA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 267

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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 - Mandibular	Nose	Pituitary Gland
Prostate	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Cortex	Hyperplasia	Mild
	Medulla	Pheochromocytoma Benign	
Heart		Degeneration	Chronic, Multifocal, Moderate
		Cyst	
Kidney	Epithelium, Renal Tubule	Cytoplasmic Alteration	Focal, Mild
	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Hyperplasia	Focal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Moderate
		Proliferation	Focal, Mild
		Basophilic Focus	Multiple
Liver		Clear Cell Focus	Multiple
		Degeneration	Cystic, Focal, Mild
	Bile Duct	Hyperplasia	Multifocal, Moderate
Lung		Foreign Body	Multifocal, Mild
	Interstitium	Inflammation	Chronic Active, Multifocal, Moderate
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Pancreas	Acinus	Focal Cellular Change	
	Acinus	Hyperplasia	Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 267

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA	TGLs = 1-10		
Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 268

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

Bone
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Parathyroid Gland
Stomach - Glandular

Bone Marrow
Harderian Gland
Intestine Small - Duodenum
Lymph Node - Mandibular
Salivary Glands
Thymus

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Nose
Skin
Trachea

OBSERVATIONS

Adrenal Gland
Eye

Note: CATARACT TGLs = 1-12
Note: ATROPHY TGLs = 1-12

Cortex
Retina
Lens

Degeneration
Atrophy
Cataract

Fatty, Mild
Diffuse, Marked
Marked

Heart
Kidney

Note: CARCINOMA TGLs = 3-11
Liver

Lung
Note: CARCINOMA TGLs = 4-2,4-3
Lymph Node
Note: CARCINOMA TGLs = 5-2

Renal Tubule
Epithelium, Renal Tubule
Epithelium, Renal Tubule

Epithelium, Renal Tubule

Degeneration
Carcinoma
Degeneration
Karyomegaly
Nephropathy
Proliferation

Chronic, Multifocal, Mild
Multiple
Multifocal, Moderate
Multifocal, Mild
Chronic, Diffuse, Moderate
Focal, Mild

Mammary Gland
Pituitary Gland
Preputial Gland

Mediastinal

Pars Distalis

Basophilic Focus
Hematopoietic Cell Proliferation
Inflammation
Carcinoma

Carcinoma

Hyperplasia
Hyperplasia
Inflammation

Multiple
Multifocal, Mild
Chronic Active, Multifocal, Mild
Metastatic (Kidney)

Metastatic (Kidney)

Cystic, Multifocal, Mild
Mild
Chronic Active, Multifocal, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 268

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Prostate		Inflammation	Chronic Active, Multifocal, Mild
Spleen	Red Pulp	Hematopoietic Cell Proliferation	Diffuse, Marked
Testes	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy	Marked
Note: ADENOMA	TGLs = 2-10		
Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 269

TRT#: 4

SEX: Male

DAY ON TEST: 540

DOSE: 210 UG/ KG

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	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Skin	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Heart		Degeneration	Chronic, Multifocal, Mild
Kidney	Renal Tubule	Adenoma	
	Renal Tubule	Carcinoma	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Hyperplasia	Focal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Mild
	Epithelium, Renal Tubule	Proliferation	Focal, Mild
Note: CARCINOMA	TGLs = 2-12		
Liver		Basophilic Focus	Multiple
Lung		Carcinoma	Metastatic (Kidney)
Note: CARCINOMA	TGLs = 4-2,4-3		
Mesentery		Carcinoma	Metastatic (Kidney)
Preputial Gland		Inflammation	Chronic Active, Multifocal, Moderate
Spleen	Red Pulp	Hematopoietic Cell Proliferation	Diffuse, Moderate
Stomach	Forestomach	Acanthosis	Focal, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Tongue	Epithelium	Hyperkeratosis	Focal, Moderate
	Epithelium	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 269

TRT#: 4

SEX: Male

DAY ON TEST: 540

DOSE: 210 UG/ KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HYPERPLASIA TGLs = 3-11

Note: HYPERKERATOSIS TGLs = 3-11

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO METASTATIC RENAL CARCINOMA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 270

TRT#: 4

SEX: Male

DAY ON TEST: 731

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Intestine Large - Rectum

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
	Medulla	Pheochromocytoma Malignant	
Note: PHEOCHROM MAL TGLs = 3-7			
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney	Renal Tubule	Carcinoma	
	Epithelium, Renal Tubule	Cytoplasmic Alteration	Focal, Mild
	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Hyperplasia	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Moderate
[Carcinoma TGLS = 2-1,2-11]			
Liver		Basophilic Focus	Multiple
Lung		Carcinoma	Metastatic (Uncertain Primary Site)
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
Note: ADENOMA TGLs = 1-10			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 270

TRT#: 4

SEX: Male

DAY ON TEST: 731

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 271

TRT#: 4

SEX: Male

DAY ON TEST: 408

DOSE: 210 UG/ KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	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	Prostate	Salivary Glands
Skin	Thyroid Gland	Trachea	

MISSING

Harderian Gland	Parathyroid Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Bone Marrow	Femoral	Leukemia Mononuclear	
Brain		Leukemia Mononuclear	
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Hyperplasia	Focal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
Liver	Bile Duct	Leukemia Mononuclear	
		Nephropathy	Chronic, Diffuse, Mild
		Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
Lung		Necrosis	Acute, Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 6-2,6-3		
Lymph Node	Lumbar	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-14,4-12,5-11		
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pancreas		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 271	TRT#: 4	SEX: Male	DAY ON TEST: 408
	DOSE: 210 UG/ KG	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 1-13			
Stomach	Forestomach	Ulcer	Moderate
	Glandular	Ulcer	Mild
Note: ULCER TGLs = 7-6			
Testes	Interstit Cell	Hyperplasia	Mild
Urinary Bladder		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-6			

PRIMARY CAUSE OF DEATH

-

Animal Note: COD LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 272

TRT#: 4

SEX: Male

DAY ON TEST: 723

DOSE: 210 UG/ KG

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 - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
	Medulla	Pheochromocytoma Benign	
Note: PHEOCHROM BGN	TGLs = 4-7		
Heart		Degeneration	Chronic, Multifocal, Marked
Kidney	Renal Tubule	Adenoma	
		Cyst	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Hyperplasia	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Minimal
		Nephropathy	Chronic, Diffuse, Marked
	Epithelium, Renal Tubule	Proliferation	Multifocal, Mild
Note: NEPHROPATHY	TGLs = 3-1		
Liver	Bile Duct	Hyperplasia	Multifocal, Mild
Lymph Node	Mandibular	Hemorrhage	Multifocal, Mild
	Mediastinal	Hemorrhage	Multifocal, Moderate
Note: HEMORRHAGE	TGLs = 7-2		
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Nose	Lumen	Foreign Body	Mild
Pancreas	Perivascular	Inflammation	Chronic Active, Multifocal, Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Preputial Gland		Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 272

TRT#: 4

SEX: Male

DAY ON TEST: 723

DOSE: 210 UG/ KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA	TGLs = 1-11,2-10		Inflammation	Chronic Active, Multifocal, Mild
Prostate			Inflammation	Chronic Active, Multifocal, Mild
Stomach		Forestomach	Acanthosis	Marked
		Forestomach	Inflammation	Chronic Active, Moderate
Note: ACANTHOSIS	TGLs = 6-12			
Testes		Bilateral, Interstit Cell	Adenoma	
		Germinal Epith	Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC. DUE TO NEPHROPATHY AND STOMACH LESION

Animal Note: TGL1-11, SKIN LESION IS PREPUTIAL GLAND ADENOMA

Animal Note: TGL5-6, ENLARGED MESENTERIC LY.ND. IS PANCREATIC ARTERY

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 273

TRT#: 4

SEX: Male

DAY ON TEST: 506

DOSE: 210 UG/ KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Harderian Gland	Mammary Gland
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AUTO PRECLUDES DIAG.

Stomach - Glandular

OBSERVATIONS

Intestine Large	Colon	Parasite Metazoan	
Intestine Small	Ileum	Adenocarcinoma	
Note: TGL1-12, JEJUNUM LESION IS REALLY ILEUM			
Note: ADENOCARC TGLs = 1-12			
Kidney	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Mild
Liver	Bile Duct	Hyperplasia	Multifocal, Mild
		Thrombosis	
Lymph Node	Mesenteric	Cyst	
Note: CYST TGLs = 2-11			
Nose	Lumen	Foreign Body	Mild
Pancreas	Acinus	Hyperplasia	Focal, Mild
Preputial Gland	Duct	Ectasia	Mild
		Inflammation	Chronic Active, Multifocal, Moderate
Testes	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 273

TRT#: 4

SEX: Male

DAY ON TEST: 506

DOSE: 210 UG/ KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: TGL3-6, DILATATION OF STOMACH NOT APPARENT ON MICRO

Animal Note: COD, ADENOCARCINOMA OF ILEUM

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 274

TRT#: 4

SEX: Male

DAY ON TEST: 647

DOSE: 210 UG/ KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Medulla	Pheochromocytoma Benign	
Blood		Neutrophilia	
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney	Bilateral, Renal Tubule	Carcinoma	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Moderate
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Moderate
		Nephropathy	Chronic, Diffuse, Moderate
	Epithelium, Renal Tubule	Proliferation	Focal, Mild
Note: CARCINOMA	TGLs = 5-13,6-14		
Liver		Basophilic Focus	Multiple
Note: TGL4-4, LIVER FOCUS NOT FOUND AT TRIM			
Lung		Carcinoma	Metastatic (Kidney)
Note: CARCINOMA	TGLs = 3-2,3-3		
Lymph Node	Mesenteric	Inflammation	Chronic Active, Multifocal, Moderate
Note: INFLAMMATION	TGLs = 9-12		
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Mesentery		Carcinoma	Metastatic (Kidney)
Preputial Gland	Duct	Ectasia	Mild
		Inflammation	Chronic Active, Multifocal, Moderate
Note: ECTASIA	TGLs = 2-10		
Sem Ves			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 274

TRT#: 4

SEX: Male

DAY ON TEST: 647

DOSE: 210 UG/ KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL8-10 SEMINAL VESICLE WITHIN NORMAL LIMITS ON MICRO

Skin Keratoacanthoma

Note: KERATOACANTHMA TGLs = 1-11

Spleen Red Pulp Hematopoietic Cell Proliferation Diffuse, Moderate

Testes Bilateral, Interstit Cell Adenoma

Note: ADENOMA TGLs = 7-10

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO METASTATIC RENAL CARCINOMA

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 275

TRT#: 4

SEX: Male

DAY ON TEST: 647

DOSE: 210 UG/ KG

DISP: Gavage Death

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	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney	Renal Tubule	Carcinoma	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Hyperplasia	Focal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Moderate
[Carcinoma TGLS = 5-1]			
Liver	Bile Duct	Hyperplasia	Multifocal, Moderate
Lung		Foreign Body	Multifocal, Moderate
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Mesentery		Inflammation	Chronic Active, Marked
Note: INFLAMMATION TGLs = 4-11			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Testes	Interstitial Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate
Note: ATROPHY TGLs = 3-10			
Note: ADENOMA TGLs = 2-10			
Thymus			
Note: TGL1-2, THYMUS WITHIN NORMAL LIMITS ON MICRO			
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 275

TRT#: 4

SEX: Male

DAY ON TEST: 647

DOSE: 210 UG/ KG

DISP: Gavage Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: COD POSSIBLE GAVAGE RELATED

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 276

TRT#: 4

SEX: Male

DAY ON TEST: 561

DOSE: 210 UG/ KG

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	Liver
Lymph Node - Mandibular	Nose	Parathyroid Gland	Prostate
Salivary Glands	Skin	Stomach - Forestomach	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Heart	Epicardium	Carcinoma Degeneration	Metastatic (Kidney) Chronic, Multifocal, Moderate
Kidney	Bilateral, Renal Tubule Epithelium, Renal Tubule Epithelium, Renal Tubule Epithelium, Renal Tubule	Carcinoma Degeneration Hyperplasia Karyomegaly Nephropathy	Multifocal, Moderate Focal, Mild Multifocal, Moderate Chronic, Diffuse, Moderate
Lung	[Karyomegaly TGLS = 1-1,2-11]	Carcinoma	Metastatic (Kidney)
Note: CARCINOMA	TGLs = 3-2,3-3		
Lymph Node	Mediastinal	Carcinoma	Metastatic (Kidney)
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Spleen		Carcinoma	Metastatic (Kidney)
Stomach	Glandular	Ulcer	Mild
Testes	Interstitial Cell Interstitial Cell	Adenoma Hyperplasia	Mild
Thyroid Gland		Carcinoma	Metastatic (Kidney)

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO MALIGNANT RENAL CARCINOMA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 276

TRT#: 4

SEX: Male

DAY ON TEST: 561

DOSE: 210 UG/ KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 277

TRT#: 4

SEX: Male

DAY ON TEST: 569

DOSE: 210 UG/ KG

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	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Blood		Neutrophilia	
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney	Renal Tubule	Carcinoma	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Moderate
		Nephropathy	Chronic, Diffuse, Moderate
	Epithelium, Renal Tubule	Proliferation	Focal, Mild
	[Nephropathy TGLS = 1-11,1-12]		
Liver		Basophilic Focus	Multiple
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Minimal
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Testes	Interstit Cell	Hyperplasia	Mild
Tissue NOS		Inflammation	Chronic Active, Diffuse, Marked

Note: TISSUE NOS APPARENTLY TAKEN FOR ADRENAL

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO RENAL CARCINOMA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 278

TRT#: 4

SEX: Male

DAY ON TEST: 702

DOSE: 210 UG/ KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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	Parathyroid Gland	Prostate
Salivary Glands	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Pituitary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Moderate
	Medulla	Hyperplasia	Mild
Bone	Cranium	Osteosarcoma	
Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney	Renal Tubule	Carcinoma	
		Cyst	Multiple
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Moderate
			[Karyomegaly TGLS = 7-1]
			[Nephropathy TGLS = 6-1]
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Moderate
	Centrilobular	Vacuolization Cytoplasmic	Diffuse, Moderate
Lymph Node	Mandibular	Infiltration Cellular	Plasma Cell, Moderate
Note: HYPERPLASIA	TGLs = 2-6		
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Mesentery		Inflammation	Chronic Active, Moderate
Note: INFLAMMATION	TGLs = 3-9		
Note: TGL3-9 INFLAMMATORY MESENTERIC MASS INVOLVES TESTIS			
Pancreas	Acinus	Atrophy	Moderate
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Skin	Subcut Tiss	Fibroma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 278

TRT#: 4

SEX: Male

DAY ON TEST: 702

DOSE: 210 UG/ KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: FIBROMA	TGLs = 1-8			
Spleen		Red Pulp	Hematopoietic Cell Proliferation	Diffuse, Moderate
Stomach		Forestomach	Acanthosis	Mild
		Glandular	Ulcer	Moderate
Testes		Bilateral, Interstit Cell	Adenoma	
		Germinal Epith	Atrophy	Moderate
			Inflammation	Necrotizing, Chronic Active, Diffuse, Marked
Note: ADENOMA	TGLs = 4-9,5-7			
Note: INFLAMMATION	TGLs = 4-9			

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC. DUE TO MALNUTRITION AND LARGE TUMOR

Animal Note: CRANIUM USED FOR SITE OF MAXILLARY OSTEOSARCOMA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 279

TRT#: 4

SEX: Male

DAY ON TEST: 731

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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 - Mandibular	Nose	Parathyroid Gland
Prostate	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Trachea	Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Multifocal, Mild
	Medulla	Hyperplasia	Focal, Mild
Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney	Renal Tubule	Adenoma	
		Cyst	Multiple
	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Pelvis	Hyperplasia	Papillary, Multifocal, Mild
	Epithelium, Renal Tubule	Hyperplasia	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Marked
	Epithelium, Renal Tubule	Proliferation	Multifocal, Mild
Liver		Basophilic Focus	Multiple
Lung		Foreign Body	Multifocal, Mild
	Interstitialium	Inflammation	Chronic Active, Multifocal, Marked
Note: INFLAMMATION	TGLs = 3-2,3-3		
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pancreas	Acinus	Adenoma	
	Acinus	Atrophy	Mild
	Acinus	Focal Cellular Change	
Pituitary Gland	Pars Nervosa	Hyperplasia	Mild
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 279

TRT#: 4
DOSE: 210 UG/ KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Testes	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy	Marked
Note: ADENOMA TGLs = 1-10			
Thyroid Gland	C Cell	Hyperplasia	Mild
Tongue	Epithelium	Hyperplasia	Moderate
Note: HYPERPLASIA TGLs = 2-11			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Ochratoxin A
 CAS Number: 303-47-9

Date Report Requested: 10/20/2014
 Time Report Requested: 17:52:35
 First Dose M/F: NA / NA
 Lab: BAT

ANIMAL ID: 280 TRT#: 4 SEX: Male DAY ON TEST: 731
 DOSE: 210 UG/ KG DISP: Terminal Sacrifice 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	Lymph Node - Mandibular
Nose	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney	Renal Tubule	Adenoma	
	Renal Tubule	Carcinoma	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Moderate
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Moderate
	Epithelium, Renal Tubule	Proliferation	Focal, Mild
[Nephropathy TGLS = 2-1]			
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Mild
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Mild
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Pancreas	Acinus	Atrophy	Mild
	Acinus	Focal Cellular Change	
	Acinus	Hyperplasia	Focal, Moderate
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Prostate		Inflammation	Chronic Active, Multifocal, Mild
Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA TGLs = 1-10			
Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 280

TRT#: 4

SEX: Male

DAY ON TEST: 731

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 281

TRT#: 4

SEX: Male

DAY ON TEST: 731

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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 - Mandibular	Nose	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Medulla	Hyperplasia	Mild
	Medulla	Pheochromocytoma Benign	
Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney	Renal Tubule	Carcinoma	Multiple
	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Moderate
	Epithelium, Renal Tubule	Proliferation	Focal, Mild
	[Carcinoma TGLS = 1-11,2-1]		
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Moderate
Lung		Carcinoma	Metastatic (Kidney)
Pancreas	Acinus	Hyperplasia	Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Prostate		Inflammation	Chronic Active, Multifocal, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 281

TRT#: 4

SEX: Male

DAY ON TEST: 731

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 282

TRT#: 4

SEX: Male

DAY ON TEST: 731

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

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 Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Nose	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland Skin

OBSERVATIONS

Blood		Leukemia Mononuclear	
Heart		Degeneration	Chronic, Multifocal, Moderate
Intestine Large	Rectum	Parasite Metazoan	
Kidney	Renal Tubule	Carcinoma	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Hyperplasia	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Mild
	Epithelium, Renal Tubule	Proliferation	Multifocal, Mild
Note: CARCINOMA TGLs = 5-1,5-11			
Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Multifocal, Marked
		Leukemia Mononuclear	
		Neoplastic Nodule	
Note: NEOPLASTIC NOD TGLs = 4-12			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 6-2			
Pancreas		Inflammation	Acute, Multifocal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 282	TRT#: 4	SEX: Male	DAY ON TEST: 731
	DOSE: 210 UG/ KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Preputial Gland		Adenoma	
Note: ADENOMA	TGLs = 1-13		
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-1		
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
Note: ADENOMA	TGLs = 2-10		

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 283

TRT#: 4

SEX: Male

DAY ON TEST: 731

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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	Nose	Parathyroid Gland	Pituitary Gland
Preputial Gland	Prostate	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Trachea	Urinary Bladder	

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex Bilateral, Medulla	Hyperplasia Pheochromocytoma Benign	Mild
Blood		Leukemia Mononuclear	
Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney	Renal Tubule	Carcinoma Cyst	
	Epithelium, Renal Tubule	Cytoplasmic Alteration	Focal, Mild
	Epithelium, Renal Tubule	Degeneration	Multifocal, Moderate
	Epithelium, Renal Tubule	Hyperplasia	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Leukemia Mononuclear	
		Nephropathy	Chronic, Diffuse, Marked
	Epithelium, Renal Tubule	Proliferation	Multifocal, Mild
Note: CARCINOMA	TGLs = 4-1		
Note: CYST	TGLs = 3-1		
Liver		Basophilic Focus Clear Cell Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 283	TRT#: 4	SEX: Male	DAY ON TEST: 731
	DOSE: 210 UG/ KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Pancreas	Mediastinal	Leukemia Mononuclear	
Skin	Acinus	Atrophy	Mild
Note: PAPILLOMA SQUA TGLs = 1-11		Squamous Cell Papilloma	
Spleen	Red Pulp	Fibrosis	Moderate
Note: LEUKEMIA MONUC TGLs = 2-12		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 5-10	Germinal Epith	Atrophy	Marked
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 284

TRT#: 4

SEX: Male

DAY ON TEST: 732

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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 - Mandibular	Nose	Parathyroid Gland
Preputial Gland	Salivary Glands	Skin	Spleen
Stomach - Glandular	Thyroid Gland	Trachea	

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Cortex	Hyperplasia	Mild
	Medulla	Hyperplasia	Mild
	Medulla	Pheochromocytoma Benign	
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney	Renal Tubule	Adenoma	
		Cyst	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Pelvis	Hyperplasia	Multifocal, Moderate
	Epithelium, Renal Tubule	Hyperplasia	Focal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Marked
	Epithelium, Renal Tubule	Proliferation	Multifocal, Mild
Liver		Basophilic Focus	Multiple
Lung	Alveolar Epith	Hyperplasia	Moderate
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 1-7		
Prostate		Inflammation	Chronic Active, Multifocal, Marked
Note: INFLAMMATION	TGLs = 2-10		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 284

TRT#: 4
DOSE: 210 UG/ KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Stomach	Forestomach	Acanthosis	Mild
	Forestomach	Inflammation	Chronic Active, Mild
Testes	Germinal Epith	Atrophy	Marked
	Perivascular	Inflammation	Chronic, Multifocal, Moderate
Urinary Bladder	Mucosa	Hyperplasia	Diffuse, Moderate
	Submucosa	Inflammation	Chronic Active, Multifocal, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 285

TRT#: 4

SEX: Male

DAY ON TEST: 732

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

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

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney	Renal Tubule	Carcinoma	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Hyperplasia	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Moderate
		Nephropathy	Chronic, Diffuse, Moderate
	Epithelium, Renal Tubule	Proliferation	Multifocal, Mild
Liver		Angiectasis	Multifocal, Mild
		Basophilic Focus	Multiple
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Multifocal, Moderate
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Mild
Lymph Node	Mandibular	Hemorrhage	Multifocal, Mild
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Prostate		Cyst	
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked

Note: ADENOMA TGLs = 1-10

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 285

TRT#: 4

SEX: Male

DAY ON TEST: 732

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 286

TRT#: 4

SEX: Male

DAY ON TEST: 667

DOSE: 210 UG/ KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Intestine Large - Colon
Intestine Small - Jejunum
Pancreas
Salivary Glands
Stomach - Glandular

Bone
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Parathyroid Gland
Skin
Thymus

Bone Marrow
Harderian Gland
Intestine Small - Duodenum
Lymph Node - Mandibular
Pituitary Gland
Spleen
Trachea

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Nose
Prostate
Stomach - Forestomach
Urinary Bladder

OBSERVATIONS

Adrenal Gland
Note: PHEOCHROM BGN TGLs = 1-7

Medulla

Pheochromocytoma Benign

Heart

Degeneration

Chronic, Multifocal, Mild

Kidney

Epithelium, Renal Tubule
Epithelium, Renal Tubule
Epithelium, Renal Tubule

Degeneration
Hyperplasia
Karyomegaly

Multifocal, Moderate
Focal, Mild
Multifocal, Mild

Liver

Bile Duct

Nephropathy
Hyperplasia

Chronic, Diffuse, Moderate
Multifocal, Moderate

Lung

Interstitialium

Inflammation

Chronic Active, Multifocal, Mild

Mammary Gland

Hyperplasia

Cystic, Multifocal, Mild

Testes

Bilateral, Interstit Cell
Germinal Epith

Adenoma
Atrophy

Moderate

Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC. DUE TO DEBILITATION AND LARGE ADRENAL TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 287

TRT#: 4

SEX: Male

DAY ON TEST: 732

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

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	Lung	Lymph Node - Mandibular
Nose	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Eye	Retina	Atrophy	Diffuse, Marked
	Lens	Cataract	Moderate
Note: ATROPHY	TGLs = 1-11		
Note: CATARACT	TGLs = 1-11		
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney	Renal Tubule	Carcinoma	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Hyperplasia	Focal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Moderate
	Epithelium, Renal Tubule	Proliferation	Multifocal, Mild
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Moderate
		Inflammation	Chronic Active, Multifocal, Mild
	Centrilobular	Vacuolization Cytoplasmic	Diffuse, Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Multifocal, Mild
Note: FIBROADENOMA	TGLs = 3-12		
Pancreas	Acinus	Hyperplasia	Focal, Moderate
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 287

TRT#: 4

SEX: Male

DAY ON TEST: 732

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Germinal Epith

Atrophy

Marked

Note: ADENOMA TGLs = 2-10

Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL3-12, SKIN MASS IS REALLY MAMMARY TUMOR

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 288

TRT#: 4

SEX: Male

DAY ON TEST: 732

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Harderian Gland	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Moderate
	Medulla	Hyperplasia	Mild
	Cortex	Hypertrophy	Mild
Heart		Degeneration	Chronic, Multifocal, Moderate
Intestine Large	Rectum	Parasite Metazoan	
Kidney	Bilateral, Renal Tubule	Carcinoma	Multiple
	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Moderate
		Nephropathy	Chronic, Diffuse, Moderate
	Epithelium, Renal Tubule	Proliferation	Focal, Mild
	[Nephropathy TGLS = 2-1]		
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Mild
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Mild
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
Note: CYST	TGLs = 3-7		
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Prostate		Inflammation	Chronic Active, Multifocal, Moderate
Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 288

TRT#: 4
DOSE: 210 UG/ KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 1-10

Interstit Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 289

TRT#: 4

SEX: Male

DAY ON TEST: 540

DOSE: 210 UG/ KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Pituitary Gland
Spleen
Urinary Bladder

Adrenal Gland - Medulla
Epididymis
Intestine Large - Colon
Intestine Small - Jejunum
Nose
Preputial Gland
Stomach - Forestomach

Bone
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Pancreas
Prostate
Stomach - Glandular

Bone Marrow
Harderian Gland
Intestine Small - Duodenum
Lung
Parathyroid Gland
Skin
Trachea

MISSING

Mammary Gland

OBSERVATIONS

Heart
Kidney

Epithelium, Renal Tubule
Epithelium, Renal Tubule
Epithelium, Renal Tubule
Epithelium, Renal Tubule

Degeneration
Degeneration
Hyperplasia
Karyomegaly
Nephropathy
Proliferation

Chronic, Multifocal, Mild
Multifocal, Mild
Multifocal, Mild
Multifocal, Mild
Chronic, Diffuse, Mild
Focal, Mild

Note: TGL2-1 WHITE KIDNEY FOCUS NOT APPARENT ON MICRO

Liver
Salivary Glands
Testes

Acinus
Interstit Cell
Interstit Cell
Follicle
Follicular Cel

Basophilic Focus
Atrophy
Adenoma
Hyperplasia
Cyst
Hyperplasia
Carcinoma

Multiple
Multifocal, Mild
Mild
Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO PROBABLE ZYMBALS CARCINOMA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 290

TRT#: 4

SEX: Male

DAY ON TEST: 732

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Harderian Gland	Intestine Large - Cecum
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Nose	Parathyroid Gland
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Heart		Degeneration	Chronic, Multifocal, Mild
Intestine Large	Colon	Parasite Metazoan	
Kidney	Renal Tubule	Carcinoma	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Moderate
	Epithelium, Renal Tubule	Proliferation	Focal, Mild
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Moderate
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Mild
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pancreas	Acinus	Hyperplasia	Focal, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Preputial Gland		Inflammation	Chronic Active, Multifocal, Mild
Prostate		Inflammation	Chronic Active, Multifocal, Mild
Skin	Subcut Tiss	Lipoma	
Note: LIPOMA	TGLs = 2-11		
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA	TGLs = 1-10		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 1

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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 - Mandibular
Ovary	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Nephropathy	Chronic, Diffuse, Minimal
Liver		Basophilic Focus	Multiple
		Inflammation	Chronic Active, Multifocal, Mild
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Multifocal, Moderate
Note: FIBROADENOMA TGLs = 1-11			
Nose	Lumen	Foreign Body	Mild
	Mucosa	Inflammation	Acute, Multifocal, Mild
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2-7			
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11, SKIN MASS IS MAMMARY GLAND TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 2	TRT#: 6 DOSE: 0 UG/KG	SEX: Female DISP: Moribund	DAY ON TEST: 695 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Clitoral Gland	Esophagus
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Nose	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Ovary	Uterus		
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OBSERVATIONS

Adrenal Gland	Cortex Cortex Medulla	Degeneration Leukemia Mononuclear Leukemia Mononuclear Leukemia Mononuclear	Fatty, Moderate
Blood		Hemorrhage	
Brain		Leukemia Mononuclear	Multifocal, Moderate
Kidney		Leukemia Mononuclear	
Liver	Centrilobular	Vacuolization Cytoplasmic Leukemia Mononuclear	Diffuse, Mild
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular Mediastinal Mesenteric	Leukemia Mononuclear Leukemia Mononuclear Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-9,5-7		
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Mesentery		Inflammation	Chronic Active, Moderate
Note: INFLAMMATION	TGLs = 2-8		
Pancreas		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Cyst	
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 1-10		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 2

TRT#: 6

SEX: Female

DAY ON TEST: 695

DOSE: 0 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: MORIBUND SACRIFICE DUE TO LEUKEMIA

Animal Note: TGL3-9 LIVER NODULE IS HIATAL STRESS TYPE, NO TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 3	TRT#: 6 DOSE: 0 UG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Chronic, Diffuse, Minimal
Liver		Inflammation	Chronic Active, Multifocal, Mild
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Multifocal, Mild
Note: FIBROADENOMA	TGLs = 1-11		
Pituitary Gland	Pars Distalis	Cyst	
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 4	TRT#: 6 DOSE: 0 UG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Clitoral Gland		Adenoma	
Note: ADENOMA TGLs = 1-12			
Kidney	Epithelium, Renal Tubule	Nephropathy	Chronic, Diffuse, Minimal
[Nephropathy TGLS = 6-1]		Pigmentation	Diffuse, Moderate
Liver		Basophilic Focus	Multiple
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 2-11		Hyperplasia	Cystic, Multifocal, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 4-7			
Spleen	Red Pulp	Hematopoietic Cell Proliferation	Diffuse, Moderate
Note: HEMA CELL PROL TGLs = 3-1			
Stomach	Forestomach	Cyst Epithelial Inclusion	
Note: CYST EPITH INC TGLs = 5-6			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-12, SKIN MASS IS A CLITORAL GLAND TRUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 4

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: TGL2-11, SKIN MASS IS MAMMARY GLAND TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 5 **TRT#:** 6 **SEX:** Female **DAY ON TEST:** 648
DOSE: 0 UG/KG **DISP:** Moribund **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Skin

OBSERVATIONS

Adrenal Gland	Cortex	Hematopoietic Cell Proliferation	Multifocal, Mild
Clitoral Gland		Adenoma	
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Diffuse, Mild
Liver	Centrilobular	Degeneration	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 2-4		
Lung		Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Moderate
Note: HYPERPLASIA	TGLs = 3-7		
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 1-11]			

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

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

NORMAL

Adrenal Gland - Medulla	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	Kidney	Lung
Nose	Ovary	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Moderate
Heart		Degeneration	Chronic, Multifocal, Mild
Liver		Basophilic Focus	Multiple
Lymph Node	Mandibular	Hyperplasia	Reticulum Cell, Multifocal, Moderate
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Pancreas	Acinus	Atrophy	Moderate
Pituitary Gland	Pars Distalis	Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 7	TRT#: 6	SEX: Female	DAY ON TEST: 689
	DOSE: 0 UG/KG	DISP: Dead	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
Nose	Ovary	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

MISSING

Harderian Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Leukemia Mononuclear	
Liver		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 1-2		
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Cyst	
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 2-1		
Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: COD LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 8 TRT#: 6 SEX: Female DAY ON TEST: 728
DOSE: 0 UG/KG DISP: Terminal Sacrifice HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	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 - Mandibular	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Moderate
Brain	Ventricle	Hydrocephalus	Moderate
Clitoral Gland		Adenoma	
Note: ADENOMA TGLs = 2-14			
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Nephropathy	Chronic, Diffuse, Mild
Liver		Basophilic Focus	Multiple
		Inflammation	Chronic Active, Multifocal, Mild
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Mild
Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Multifocal, Moderate
Note: FIBROADENOMA TGLs = 3-11,1-12,1-13			
Pituitary Gland	Pars Distalis	Adenoma	
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL3-11,1-12,1-13,SKIN MASSES ARE MAMMARY GLAND TUMORS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 9

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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	Lymph Node - Mandibular	Nose	Ovary
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

INSUFFICIENT TISSUE

Bone Marrow

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Cortex	Hyperplasia	Mild
Bone	Femur	Hyperostosis	
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Nephropathy	Chronic, Diffuse, Minimal
Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	
		Inflammation	Chronic Active, Multifocal, Mild
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Moderate
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pancreas	Acinus	Atrophy	Mild
Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11, OPAQUE EYE IS NORMAL ON MICRO

Animal Note: TGL2-12< HARDERIAN GLAND NORMAL ON MICRO

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 10

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

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	Lymph Node - Mandibular	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Trachea
Urinary Bladder	Uterus		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
	Medulla	Hyperplasia	Mild
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Nephropathy	Chronic, Diffuse, Minimal
Liver		Basophilic Focus	Multiple
		Clear Cell Focus	
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Minimal
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
Note: HYPERPLASIA TGLs = 1-7			
Note: CYST TGLs = 1-7			
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 11 **TRT#:** 6 **SEX:** Female **DAY ON TEST:** 654
DOSE: 0 UG/KG **DISP:** Dead **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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	Lung	Lymph Node - Mandibular
Nose	Ovary	Pancreas	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Nephropathy	Chronic, Diffuse, Mild
Liver		Basophilic Focus	Multiple
Mammary Gland	Bile Duct	Hyperplasia	Multifocal, Mild
		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Multifocal, Marked
Note: HYPERPLASIA TGLs = 2-12			
Note: FIBROADENOMA TGLs = 1-11			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 3-7			
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL2-12< SKIN MASS IS MAMMARY GLAND CYSTIC HYPERPLASIA

Animal Note: TGL1-11< SKIN MASS IS MAMMARY GLAND TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 12

TRT#: 6

SEX: Female

DAY ON TEST: 216

DOSE: 0 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Clitoral Gland
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Ovary
Salivary Glands
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Pancreas
Skin
Thymus
Uterus

Bone
Harderian Gland
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Parathyroid Gland
Spleen
Thyroid Gland

Bone Marrow
Heart
Intestine Small - Duodenum
Kidney
Nose
Pituitary Gland
Stomach - Forestomach
Trachea

OBSERVATIONS

Brain

Cyst

[Cyst TGLS = 1-4]

Inflammation

Chronic, Multifocal, Moderate

Mammary Gland

Hyperplasia

Cystic, Multifocal, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO BRAIN CYST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 13 TRT#: 6 SEX: Female DAY ON TEST: 728
DOSE: 0 UG/KG DISP: Terminal Sacrifice HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Cortex	Hypertrophy	Mild
Eye	Retina	Atrophy	Diffuse, Marked
	Lens	Cataract	Moderate
Note: ATROPHY TGLs = 1-11			
Note: CATARACT TGLs = 1-11			
Kidney		Nephropathy	Chronic, Diffuse, Minimal
Liver		Basophilic Focus	Multiple
		Inflammation	Chronic Active, Multifocal, Mild
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Mild
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 14

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Kidney		Nephropathy	Chronic, Diffuse, Minimal
Liver		Basophilic Focus	Multiple
		Clear Cell Focus	
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Minimal
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Nose	Lumen	Foreign Body	Mild
	Mucosa	Inflammation	Acute, Multifocal, Mild
Pituitary Gland	Pars Distalis	Cyst	
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11 SUBCUTIS SKIN NODULE NOT FOUND AT TRIM

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 15 **TRT#:** 6 **SEX:** Female **DAY ON TEST:** 660
DOSE: 0 UG/KG **DISP:** Dead **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Clitoral Gland	Esophagus	Harderian Gland	Heart
Intestine Small - Duodenum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Nose	Ovary	Pancreas	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Parathyroid Gland

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

Brain		Compression	
Kidney		Nephropathy	Chronic, Diffuse, Mild
Liver		Basophilic Focus	Multiple
Lymph Node	Mandibular	Hemorrhage	Multifocal, Mild
Note: HEMORRHAGE TGLs = 2-7			
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

Animal Note: COD, PITUITARY TUMOR
Animal Note: TGL5-11, LIVER NODULE IS HIATAL STRESS TYPE, NO TUMOR
Animal Note: TGL3-2, MEDIASTINAL LY. ND. NOT FOUND AT TRIM
Animal Note: TGL4-10 OVARY NORMAL ON MICRO

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 16

TRT#: 6

SEX: Female

DAY ON TEST: 466

DOSE: 0 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Brain		Compression	
	Ventricle	Hydrocephalus	Moderate
Kidney		Nephropathy	Chronic, Diffuse, Mild
Liver	Periportal	Vacuolization Cytoplasmic	Diffuse, Moderate
Mammary Gland		Hyperplasia	Cystic, Multifocal, Marked
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 1-7		
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC. DUE TO PITUITARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 17

TRT#: 6

SEX: Female

DAY ON TEST: 583

DOSE: 0 UG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Clitoral Gland
Esophagus	Eye	Harderian Gland	Intestine Large - Cecum
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Intestine Large - Rectum

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Leukemia Mononuclear	
Liver	Centrilobular	Degeneration	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 5-4		
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Note: HYPERPLASIA	TGLs = 2-12		
Pituitary Gland	Pars Distalis	Cyst	
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 3-11]			

PRIMARY CAUSE OF DEATH

-

Animal Note: COD, LEUKEMIA

Animal Note: TGL1-13, EYE APPEARS NORMAL ON MICRO

Animal Note: TGL2-12, SKIN MASS IS CYSTIC HYPERPLASIA OF MAMMARY GLAND

Animal Note: TGL4-10, OVARIES APPEAR NORMAL ON MICRO

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 18

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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 - Mandibular	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Nephropathy	Chronic, Diffuse, Mild
Liver		Basophilic Focus	Multiple
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Mild
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Moderate
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC	TGLs = 1-11		
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 19

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Clitoral Gland

Esophagus

Harderian Gland

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Lymph Node - Mandibular

Ovary

Pancreas

Parathyroid Gland

Salivary Glands

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

Urinary Bladder

Uterus

OBSERVATIONS

Kidney

Nephropathy

Chronic, Diffuse, Mild

Liver

Basophilic Focus

Multiple

Bile Duct

Hyperplasia

Multifocal, Mild

Inflammation

Chronic Active, Multifocal, Mild

Lung

Interstitialium

Inflammation

Chronic Active, Multifocal, Moderate

Mammary Gland

Hyperplasia

Cystic, Multifocal, Moderate

Nose

Lumen

Foreign Body

Mild

Mucosa

Inflammation

Acute, Multifocal, Mild

Pituitary Gland

Pars Distalis

Cyst

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 20 TRT#: 6 SEX: Female DAY ON TEST: 525
DOSE: 0 UG/KG DISP: Moribund HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Clitoral Gland		Adenoma	
Note: ADENOMA	TGLs = 1-12		
Heart		Degeneration	Chronic, Multifocal, Mild
Liver		Basophilic Focus	Multiple
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Multifocal, Moderate
Note: FIBROADENOMA	TGLs = 2-11		
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Moderate
Note: HYPERPLASIA	TGLs = 3-7		
Spleen	Red Pulp	Hematopoietic Cell Proliferation	Diffuse, Moderate
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL2-11, SKIN MASS IS MAMMARY TUMOR

Animal Note: MORIBUND SACRIFICE DUE TO CLITORAL GLAND TUMOR

Animal Note: TGL1-12, SKIN MASS IS CLITORAL GLAND TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 21 **TRT#:** 6 **SEX:** Female **DAY ON TEST:** 729
DOSE: 0 UG/KG **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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 - Mandibular	Ovary
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Trachea	Urinary Bladder
Uterus			

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
	Cortex	Hyperplasia	Mild
Eye	Retina	Atrophy	Diffuse, Marked
	Lens	Cataract	Moderate
Note: ATROPHY	TGLs = 1-11		
Note: CATARACT	TGLs = 1-11		
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Nephropathy	Chronic, Diffuse, Mild
Liver		Basophilic Focus	Multiple
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Moderate
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Nose	Lumen	Foreign Body	Mild
Pancreas	Acinus	Degeneration	Multifocal, Mild
Pituitary Gland	Pars Distalis	Cyst	
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 22 TRT#: 6 SEX: Female DAY ON TEST: 729
DOSE: 0 UG/KG DISP: Terminal Sacrifice HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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 - Mandibular
Nose	Ovary	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Thymus

OBSERVATIONS

Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Nephropathy	Chronic, Diffuse, Minimal
Liver		Basophilic Focus	Multiple
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Multifocal, Moderate
Note: ADENOMA	TGLs = 1-11		
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 2-7		

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11, SKIN MASS IS MAMMARY GLAND TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 23

TRT#: 6

SEX: Female

DAY ON TEST: 673

DOSE: 0 UG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Parathyroid Gland
Stomach - Forestomach
Urinary Bladder

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Salivary Glands
Stomach - Glandular

Bone
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Nose
Skin
Thyroid Gland

Bone Marrow
Harderian Gland
Intestine Small - Duodenum
Kidney
Ovary
Spleen
Trachea

MISSING

Mammary Gland

Thymus

OBSERVATIONS

Heart
Liver
Pancreas
Pituitary Gland
 Note: ADENOMA TGLs = 2-7
Uterus

 Note: DILATATION TGLs = 1-11
 Note: POLYP STROMAL TGLs = 1-11

Acinus
Pars Distalis

Degeneration
Basophilic Focus
Atrophy
Adenoma

Dilatation
Polyp Stromal

Chronic, Multifocal, Mild
Multiple
Mild

Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: COD UNDETERMINED

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 24

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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 - Mandibular
Nose	Ovary	Pancreas	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder	Uterus	

MISSING

Parathyroid Gland	Thymus
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OBSERVATIONS

Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Nephropathy	Chronic, Diffuse, Minimal
Liver		Basophilic Focus	Multiple
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Mild
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
Note: ADENOMA	TGLs = 1-7		
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 25

TRT#: 6

SEX: Female

DAY ON TEST: 654

DOSE: 0 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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 - Mandibular	Ovary
Parathyroid Gland	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Tongue	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Nephropathy	Chronic, Diffuse, Mild
Liver		Basophilic Focus	Multiple
		Inflammation	Chronic Active, Multifocal, Moderate
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Mild
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Nose	Lumen	Foreign Body	Mild
	Mucosa	Inflammation	Acute, Multifocal, Moderate
Pancreas	Acinus	Atrophy	Mild
Pharynx		Squamous Cell Carcinoma	
Note: SQUAM CEL CARC	TGLs = 3-11,4-7		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 4-7		
Salivary Glands		Inflammation	Chronic Active, Multifocal, Moderate
Note: INFLAMMATION	TGLs = 1-7		
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO ORAL CAVITY CARCINOMA

Animal Note: TGL3-11,4-7, MASS ON MANDIBLE AND TONGUE APPEARS TO BE

Animal Note: CARCINOMA OF PHARYNX MUCOSA

Animal Note: TGL1-7, MANDIBULAR LY. ND. IS NORMAL ON MICRO

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 25

TRT#: 6

SEX: Female

DAY ON TEST: 654

DOSE: 0 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 26

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Cecum
Intestine Small - Ileum
Ovary
Skin
Thyroid Gland

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Pancreas
Spleen
Trachea

Bone
Esophagus
Intestine Large - Rectum
Lymph Node - Mandibular
Parathyroid Gland
Stomach - Forestomach
Urinary Bladder

Bone Marrow
Harderian Gland
Intestine Small - Duodenum
Nose
Salivary Glands
Stomach - Glandular
Uterus

MISSING

Thymus

OBSERVATIONS

Heart
Islets, Pancreatic
Note: CARCINOMA TGLs = 1-6
Kidney
Liver
Lung
Mammary Gland
Pituitary Gland

Bile Duct
Interstitium
Pars Distalis

Degeneration
Carcinoma
Nephropathy
Basophilic Focus
Hyperplasia
Inflammation
Hyperplasia
Hyperplasia

Chronic, Multifocal, Mild
Multiple
Chronic, Diffuse, Mild
Multiple
Multifocal, Moderate
Chronic Active, Multifocal, Moderate
Cystic, Multifocal, Moderate
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 27

TRT#: 6
DOSE: 0 UG/KG

SEX: Female
DISP: Dead

DAY ON TEST: 497
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Harderian Gland	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	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Clitoral Gland		Adenoma	
Note: ADENOMA	TGLs = 3-10		
Kidney		Leukemia Mononuclear	
Liver		Basophilic Focus	Multiple
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 2-2		
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-1]			
Thymus		Leukemia Mononuclear	
Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: COD LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 28

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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 - Mandibular
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Nephropathy	Chronic, Diffuse, Mild
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Mild
		Inflammation	Chronic Active, Multifocal, Mild
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Minimal
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Ovary	Periovarn Tiss	Cyst	
Note: CYST TGLs = 2-10			
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
Note: HYPERPLASIA TGLs = 3-7			
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Multifocal, Moderate
Note: HYPERPLASIA TGLs = 1-10			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 29	TRT#: 6	SEX: Female	DAY ON TEST: 425
	DOSE: 0 UG/KG	DISP: Gavage Death	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Heart	Degeneration	Chronic, Multifocal, Mild
Liver	Basophilic Focus	Multiple
Lung	Foreign Body	Multifocal, Mild
	Interstitial Inflammation	Chronic Active, Multifocal, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: COD, POSSIBLE GAVAGE ERROR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 30

TRT#: 6

SEX: Female

DAY ON TEST: 598

DOSE: 0 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Brain		Compression	Moderate
	Ventricle	Hydrocephalus	Moderate
Kidney		Nephropathy	Chronic, Diffuse, Moderate
Liver		Basophilic Focus	Multiple
	Periportal	Vacuolization Cytoplasmic	Diffuse, Mild
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Mild
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 2-7		
Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO LARGE PITUITARY TUMOR

Animal Note: TGL1-11, BOTH EYES NORMAL ON MICRO

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 31	TRT#: 6	SEX: Female	DAY ON TEST: 730
	DOSE: 0 UG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
Kidney		Nephropathy	Chronic, Diffuse, Minimal
Liver		Basophilic Focus	Multiple
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Nose	Lumen	Foreign Body	Mild
	Mucosa	Inflammation	Acute, Multifocal, Mild
Thymus		Depletion Lymphoid	Multifocal, Moderate
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 32

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Clitoral Gland

Esophagus

Harderian Gland

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Lymph Node - Mandibular

Nose

Ovary

Parathyroid Gland

Salivary Glands

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Trachea

Urinary Bladder

Uterus

OBSERVATIONS

Kidney

Nephropathy

Chronic, Diffuse, Minimal

Liver

Basophilic Focus

Multiple

Clear Cell Focus

Lung

Interstitialium

Inflammation

Chronic Active, Multifocal, Mild

Mammary Gland

Fibroadenoma

Hyperplasia

Cystic, Multifocal, Mild

Note: FIBROADENOMA TGLs = 1-11

Pancreas

Acinus

Atrophy

Moderate

Pituitary Gland

Pars Distalis

Hyperplasia

Moderate

Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11, SKIN MASS IS MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 33	TRT#: 6	SEX: Female	DAY ON TEST: 730
	DOSE: 0 UG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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 - Mandibular	Nose
Ovary	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Nephropathy	Chronic, Diffuse, Minimal
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Mild
		Inflammation	Chronic Active, Multifocal, Mild
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Moderate
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pancreas	Acinus	Atrophy	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Multifocal, Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 34 **TRT#:** 6 **SEX:** Female **DAY ON TEST:** 730
DOSE: 0 UG/KG **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
Brain		Carcinoma	Metastatic (Pituitary Gland)
Intestine Large	Colon	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Diffuse, Mild
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Mild
		Inflammation	Chronic Active, Multifocal, Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Multifocal, Marked
Note: FIBROADENOMA	TGLs = 1-11		
Pituitary Gland	Pars Distalis	Carcinoma	
Note: CARCINOMA	TGLs = 2-7		

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11, SKIN MASS IS MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 35	TRT#: 6	SEX: Female	DAY ON TEST: 730
	DOSE: 0 UG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Kidney
Lymph Node - Mandibular	Nose	Ovary	Pancreas
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Parathyroid Gland

OBSERVATIONS

Heart		Degeneration	Chronic, Multifocal, Mild
Liver		Basophilic Focus	Multiple
Lung		Foreign Body	Multifocal, Minimal
	Interstitialium	Inflammation	Chronic Active, Multifocal, Minimal
Lymph Node	Pancreatic	Inflammation	Chronic Active, Multifocal, Moderate
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 36

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Esophagus
Harderian Gland	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Lung	Lymph Node - Mandibular	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

MISSING

Clitoral Gland	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
	Medulla	Pheochromocytoma Benign	
Heart		Degeneration	Chronic, Multifocal, Mild
Liver		Basophilic Focus	Multiple
		Inflammation	Chronic Active, Multifocal, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Multifocal, Marked
		Polyp Stromal	

Note: HYPERPLASIA TGLs = 1-10

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 37

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Ovary
Skin
Thymus
Uterus

Bone
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Pancreas
Spleen
Thyroid Gland

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

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

OBSERVATIONS

Adrenal Gland

Heart
Kidney
Liver

Cortex
Cortex

Degeneration
Hyperplasia
Degeneration
Nephropathy
Basophilic Focus
Inflammation
Inflammation

Fatty, Moderate
Mild
Chronic, Multifocal, Mild
Chronic, Diffuse, Minimal
Multiple
Chronic Active, Multifocal, Mild
Chronic Active, Multifocal, Moderate

Lung
Note: TGL2-12, SMALL LUNG NODULE IS FOCAL AREA OF INFLAMMATION

Interstitialium

Mammary Gland

Fibroadenoma
Hyperplasia

Cystic, Multifocal, Mild

Note: FIBROADENOMA TGLs = 1-11

Pituitary Gland

Pars Distalis

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11, SKIN MASS IS A MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 38

TRT#: 6

SEX: Female

DAY ON TEST: 721

DOSE: 0 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Esophagus
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 - Mandibular	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Mild
	Cortex	Hyperplasia	Mild
Brain		Compression	Moderate
	Ventricle	Hydrocephalus	Moderate
Clitoral Gland		Adenoma	
Note: ADENOMA	TGLs = 3-11		
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Nephropathy	Chronic, Diffuse, Mild
Liver		Basophilic Focus	Multiple
	Periportal	Vacuolization Cytoplasmic	Diffuse, Moderate
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Multifocal, Moderate
Note: FIBROADENOMA	TGLs = 1-12		
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
Note: ADENOMA	TGLs = 2-7		
Stomach	Glandular	Ulcer	Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO PITUITARY TUMOR

Animal Note: TGL1-12, SKIN MASS IS MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 39

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Ovary
Skin
Thymus

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

Bone
Harderian Gland
Intestine Small - Duodenum
Lymph Node - Mandibular
Parathyroid Gland
Stomach - Forestomach
Urinary Bladder

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

OBSERVATIONS

Clitoral Gland
Note: ADENOMA TGLs = 1-11
Heart
Kidney
Liver

Lung
Mammary Gland
Pituitary Gland
Note: ADENOMA TGLs = 2-7
Thyroid Gland

Interstitialium

Pars Distalis

C Cell

Adenoma

Degeneration
Nephropathy
Basophilic Focus
Clear Cell Focus
Inflammation
Hyperplasia
Adenoma

Hyperplasia

Chronic, Multifocal, Mild
Chronic, Diffuse, Mild
Multiple

Chronic Active, Multifocal, Minimal
Cystic, Multifocal, Moderate

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 40

TRT#: 6

SEX: Female

DAY ON TEST: 568

DOSE: 0 UG/KG

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	Nose	Ovary	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Blood		Leukemia Mononuclear	
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Nephropathy	Chronic, Diffuse, Minimal
Liver	Bile Duct	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
Lung	Interstitium	Inflammation	Chronic Active, Multifocal, Mild
		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pancreas	Acinus	Atrophy	Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-11			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 41

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Harderian Gland	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
Clitoral Gland		Hyperplasia	Mild
		Infiltration Cellular	Lipocyte, Focal, Moderate
Note: INFILTRAT CELL TGLs = 1-10			
Heart		Degeneration	Chronic, Multifocal, Mild
Liver		Basophilic Focus	Multiple
		Leukemia Mononuclear	
Lung		Foreign Body	Multifocal, Moderate
Note: ONLY PART OF FOREIGN BODY IN LUNG IS CORN OIL			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Mammary Gland		Adenocarcinoma	
		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Multifocal, Moderate
Note: FIBROADENOMA TGLs = 4-12,2-13			
Note: ADENOCARC TGLs = 6-11			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 5-7			
Spleen		Leukemia Mononuclear	
Thyroid Gland	C Cell	Carcinoma	
Note: CARCINOMA TGLs = 3-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 41

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: SKIN MASSES ARE MAMMARY GLAND TUMORS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 42

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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 - Mandibular	Nose
Ovary	Pancreas	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Nephropathy	Chronic, Diffuse, Minimal
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Mild
Lung	Interstitium	Inflammation	Chronic Active, Multifocal, Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Multifocal, Moderate
Note: FIBROADENOMA	TGLs = 1-11		
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST	TGLs = 2-7		
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11, SKIN MASS IS MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 43

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	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	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Clitoral Gland		Hyperplasia	Mild
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Nephropathy	Chronic, Diffuse, Minimal
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Minimal
		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Multifocal, Mild
Note: FIBROADENOMA TGLs = 2-11			
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-1			
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL2-11, SKIN MASS IS MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 44

TRT#: 6

SEX: Female

DAY ON TEST: 675

DOSE: 0 UG/KG

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	Lymph Node - Mandibular	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Cortex	Hyperplasia	Mild
	Medulla	Pheochromocytoma Benign	
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Nephropathy	Chronic, Diffuse, Minimal
Liver		Basophilic Focus	Multiple
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Marked
Note: INFLAMMATION	TGLs = 2-2,2-3		
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 1-11		
Nose	Lumen	Foreign Body	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11, SKIN MASS IS MAMMARY TUMOR

Animal Note: MORIBUND SACRIFICE DUE TO MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 45

TRT#: 6

SEX: Female

DAY ON TEST: 495

DOSE: 0 UG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	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
Kidney	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone Marrow	Femoral	Leukemia Mononuclear	
Heart		Degeneration	Chronic, Multifocal, Mild
Liver		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 6-4			
Lung	Interstitium	Inflammation	Chronic Active, Multifocal, Minimal
		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-11			
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST TGLs = 1-7			
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 2-12]			

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL5-7,3-10, PIGMENT OF OVARY AND PITUITARY NOT APPARENT

Animal Note: COD LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 46

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
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 - Mandibular	Nose
Ovary	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Brain		Compression	Moderate
	Ventricle	Hydrocephalus	Moderate
Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney		Nephropathy	Chronic, Diffuse, Mild
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Mild
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Minimal
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 1-7		
Thyroid Gland	Follicle	Cyst	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 47

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Ovary
Skin
Thymus
Uterus

Bone
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Pancreas
Spleen
Thyroid Gland

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

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

OBSERVATIONS

Adrenal Gland
Heart
Kidney
Liver

Lung
Mammary Gland
Pituitary Gland

Cortex

Bile Duct

Interstitialium

Pars Distalis
Pars Distalis

Degeneration
Degeneration
Nephropathy
Basophilic Focus
Hyperplasia
Inflammation
Inflammation
Hyperplasia
Cyst
Hyperplasia

Fatty, Mild
Chronic, Multifocal, Mild
Chronic, Diffuse, Minimal
Multiple
Multifocal, Mild
Chronic Active, Multifocal, Mild
Chronic Active, Multifocal, Mild
Cystic, Multifocal, Moderate

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 48	TRT#: 6	SEX: Female	DAY ON TEST: 731
	DOSE: 0 UG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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	Lymph Node - Mandibular	Nose	Ovary
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
Heart		Degeneration	Chronic, Multifocal, Mild
Intestine Large	Rectum	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Diffuse, Minimal
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Mild
		Inflammation	Chronic Active, Multifocal, Mild
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Marked
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 49

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
Clitoral Gland	Duct	Cyst	
		Hyperplasia	Mild
Heart		Degeneration	Chronic, Multifocal, Mild
Liver		Basophilic Focus	Multiple
		Inflammation	Chronic Active, Multifocal, Mild
Lung		Foreign Body	Multifocal, Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Multifocal, Marked
Note: FIBROADENOMA TGLs = 1-11			
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Moderate
Note: CYST TGLs = 2-7			
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11, SKIN MASS IS MAMMARY GLAND TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 50

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 0 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Nose	Ovary	Pancreas	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Moderate
Liver	Bile Duct	Basophilic Focus	Multiple
		Hyperplasia	Multifocal, Mild
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Multifocal, Marked
Note: FIBROADENOMA	TGLs = 1-11,2-12		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 3-7		
Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-13]		
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 81

TRT#: 7

SEX: Female

DAY ON TEST: 585

DOSE: 21 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Chronic, Diffuse, Minimal
Liver		Basophilic Focus	Multiple
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 2-4		
Lung	Interstitial	Inflammation	Chronic Active, Multifocal, Mild
Lymph Node	Mandibular	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 1-1		
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 82

TRT#: 7

SEX: Female

DAY ON TEST: 718

DOSE: 21 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	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 - Mandibular
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Cortex	Hyperplasia	Mild
	Medulla	Pheochromocytoma Benign	
Brain		Astrocytoma Malignant	
Note: ASTROCYTO MAL	TGLs = 5-5		
Clitoral Gland		Inflammation	Chronic Active, Mild
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Minimal
		Nephropathy	Chronic, Diffuse, Marked
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Mild
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Minimal
Lymph Node	Mesenteric, Sinus	Ectasia	Moderate
Note: ECTASIA	TGLs = 2-12		
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Multifocal, Moderate
Note: FIBROADENOMA	TGLs = 1-11		
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Carcinoma	
Note: CARCINOMA	TGLs = 4-7		
Note: ADENOMA	TGLs = 4-7		
Thyroid Gland	Follicular Cel	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 82

TRT#: 7

SEX: Female

DAY ON TEST: 718

DOSE: 21 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Follicular Cel

Hyperplasia

Moderate

Note: HYPERPLASIA TGLs = 3-7

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC. DUE TO PITUITARY TUMOR AND MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 83

TRT#: 7

SEX: Female

DAY ON TEST: 728

DOSE: 21 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Clitoral Gland
Note: ADENOMA TGLs = 1-11
Kidney

Adenoma

Epithelium, Renal Tubule

Karyomegaly
Nephropathy

Multifocal, Minimal
Chronic, Diffuse, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 84 **TRT#:** 7 **SEX:** Female **DAY ON TEST:** 638
DOSE: 21 UG/KG **DISP:** Moribund **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Clitoral Gland
Esophagus	Harderian Gland	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Bone Marrow	Femoral	Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-1			
Lymph Node	Mandibular	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Moderate
Spleen		Leukemia Mononuclear	
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 85	TRT#: 7 DOSE: 21 UG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO:
OBSERVATIONS			
Kidney	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Minimal
Mammary Gland		Fibroadenoma	Multiple
Note: FIBROADENOMA TGLs = 1-11,2-12			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Note: HYPERPLASIA TGLs = 4-7			
Uterus		Polyp Stromal	
Note: POLYP STROMAL TGLs = 3-10			
<hr/>			
PRIMARY CAUSE OF DEATH -			
<hr/>			
Animal Note: GL1-11,2-12, SKIN MASSES ARE MAMMARY GLAND TUMORS			
<hr/>			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 86

TRT#: 7

SEX: Female

DAY ON TEST: 728

DOSE: 21 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Epithelium, Renal Tubule

Karyomegaly

Multifocal, Minimal

Uterus

Polyp Stromal

Note: POLYP STROMAL TGLs = 1-10

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 87

TRT#: 7

SEX: Female

DAY ON TEST: 728

DOSE: 21 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney		Nephropathy	Chronic, Diffuse, Mild
Lung	Alveolar Epith	Hyperplasia	Moderate
Note: HYPERPLASIA	TGLs = 3-3		
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 1-11		
Ovary	Follicle	Cyst	
Note: CYST	TGLs = 2-10		
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
Note: CYST	TGLs = 4-7		
[Cyst TGLS = 4-7]			

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11, SKIN MASS IS MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 88	TRT#: 7	SEX: Female	DAY ON TEST: 415
	DOSE: 21 UG/KG	DISP: Gavage Death	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Kidney	Epithelium, Renal Tubule	Karyomegaly Nephropathy	Multifocal, Minimal Chronic, Diffuse, Minimal
Lung	Perivascular	Edema Foreign Body	Acute, Moderate Multifocal, Mild
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Pituitary Gland	Pars Distalis	Cyst	
Uterus		Dilatation	Moderate

Note: DILATATION TGLs = 1-10

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH PROBABLY GAVAGE RELATED

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 89

TRT#: 7

SEX: Female

DAY ON TEST: 452

DOSE: 21 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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 - Mandibular	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Nephropathy	Chronic, Diffuse, Minimal
Liver		Basophilic Focus	Multiple
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Mild
Pituitary Gland	Pars Distalis	Cyst	
Spleen	Red Pulp	Hematopoietic Cell Proliferation	Diffuse, Moderate
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus		Inflammation	Chronic Active, Marked

Note: INFLAMMATION TGLs = 1-11

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11, SKIN MASS IS PROLAPSED UTERUS

Animal Note: MORIBUND SACRIFICE DUE TO PROLAPSED UTERUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 90

TRT#: 7

SEX: Female

DAY ON TEST: 674

DOSE: 21 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Chronic, Diffuse, Minimal
Liver		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-6			
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Multifocal, Moderate
Note: FIBROADENOMA TGLs = 1-11			
Ovary	Periovarn Tiss	Cyst	
Note: CYST TGLs = 5-10			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 4-7			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-1			
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Multifocal, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC. DUE TO LEUKEMIA AND PITUITARY TUMOR

Animal Note: TGL1-11, SKIN MASS IS MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 91	TRT#: 7 DOSE: 21 UG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO:
OBSERVATIONS			
Clitoral Gland Note: CYST TGLs = 2-10	Duct	Cyst	
Kidney	Epithelium, Renal Tubule	Karyomegaly Nephropathy Fibroadenoma	Multifocal, Minimal Chronic, Diffuse, Minimal
Mammary Gland Note: FIBROADENOMA TGLs = 1-11			
Pituitary Gland Note: HYPERPLASIA TGLs = 3-7	Rathkes Cleft Pars Distalis	Cyst Hyperplasia	Mild
<hr/>			
PRIMARY CAUSE OF DEATH -			
<hr/>			
Animal Note: TGL1-11, SKIN MASS IS MAMMARY TUMOR			
<hr/>			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 92	TRT#: 7 DOSE: 21 UG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 728 HISTO:
OBSERVATIONS			
Kidney		Nephropathy	Chronic, Diffuse, Mild
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 1-11		
Pituitary Gland		Rathkes Cleft	
Note: CYST	TGLs = 3-7	Cyst	
Spleen		Red Pulp	
Note: FIBROSIS	TGLs = 2-1	Fibrosis	Minimal
<hr/>			
PRIMARY CAUSE OF DEATH -			
<hr/>			
Animal Note: TGL1-11, SKIN MASS IS MAMMARY TUMOR			
<hr/>			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 93

TRT#: 7

SEX: Female

DAY ON TEST: 729

DOSE: 21 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Nephropathy

Chronic, Diffuse, Minimal

Liver

Basophilic Focus

Multiple

Mammary Gland

Fibroadenoma

Multiple

Note: FIBROADENOMA TGLs = 1-12,2-11

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-12,2-11, SKIN MASSES ARE MAMMARY TUMORS

Animal Note: TGL3-4, LIVER FOCI NOT APPARENT AT TRIM

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 94	TRT#: 7 DOSE: 21 UG/KG	SEX: Female DISP: Gavage Death	DAY ON TEST: 5 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Lung	Perivascular	Edema	Acute, Mild
		Foreign Body	Multifocal, Moderate
Spleen		Depletion Lymphoid	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH, PROBABLY GAVAGE RELATED

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 95

TRT#: 7

SEX: Female

DAY ON TEST: 729

DOSE: 21 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Nephropathy

Chronic, Diffuse, Mild

Mammary Gland

Fibroadenoma

Note: FIBROADENOMA TGLs = 1-11

Pituitary Gland

Pars Distalis

Adenoma

Note: ADENOMA TGLs = 2-7

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11, SKIN MASS IS MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 96

TRT#: 7

SEX: Female

DAY ON TEST: 632

DOSE: 21 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Clitoral Gland
Esophagus	Harderian Gland	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Nose	Ovary
Pancreas	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone Marrow	Femoral	Leukemia Mononuclear	
Kidney		Nephropathy	Chronic, Diffuse, Minimal
Liver		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Multifocal, Mild
Note: FIBROADENOMA TGLs = 1-11			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Note: HYPERPLASIA TGLs = 7-7			
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-1,3-12,4-12]			
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus		Polyp Stromal	
Note: POLYP STROMAL TGLs = 5-10			

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO LEUKEMIA

Animal Note: TGL6-2, MEDIASTINAL LYMPH NODE MISSING AT TRIM

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 96

TRT#: 7

SEX: Female

DAY ON TEST: 632

DOSE: 21 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: TGL6-2, SKIN MASS IS MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 97

TRT#: 7

SEX: Female

DAY ON TEST: 658

DOSE: 21 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Esophagus
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 - Mandibular	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
Brain		Compression	Moderate
	Ventricle	Hydrocephalus	Mild
Clitoral Gland		Adenoma	
Note: ADENOMA	TGLs = 1-11		
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Nephropathy	Chronic, Diffuse, Mild
Liver	Periportal	Vacuolization Cytoplasmic	Diffuse, Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Multifocal, Moderate
Note: FIBROADENOMA	TGLs = 1-12		
Pituitary Gland	Pars Distalis	Carcinoma	
Note: CARCINOMA	TGLs = 2-7		
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Multifocal, Mild
Note: HYPERPLASIA	TGLs = 3-10		

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO PITUITARY TUMOR

Animal Note: TGL1-11,1-12, SKIN MASS IS MAMMARY AND CLITORAL TUMORS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 98

TRT#: 7

SEX: Female

DAY ON TEST: 716

DOSE: 21 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Esophagus
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 - Mandibular	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Cortex	Necrosis	Acute, Moderate
Clitoral Gland		Adenoma	
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Nephropathy	Chronic, Diffuse, Mild
Liver	Periportal	Vacuolization Cytoplasmic	Diffuse, Moderate
Mammary Gland		Adenocarcinoma	
		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Multifocal, Moderate
Note: FIBROADENOMA TGLs = 1-11,2-11,3-12			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
Note: ADENOMA TGLs = 4-7			
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11,2-11,3-12, SKIN MASSES ARE MAMMARY TUMORS

Animal Note: MORIBUND SACRIFICE DUE TO MAMMARY TUMORS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 99

TRT#: 7

SEX: Female

DAY ON TEST: 626

DOSE: 21 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Clitoral Gland
Esophagus	Harderian Gland	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Nose	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Moderate
	Medulla	Leukemia Mononuclear	
Bone Marrow	Femoral	Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Diffuse, Minimal
Liver		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-4		
Lung	Interstitium	Inflammation	Chronic Active, Multifocal, Moderate
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 1-2		
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Ovary		Leukemia Mononuclear	
Pancreas	Acinus	Atrophy	Marked
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 2-11		
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-1]			
Uterus		Leukemia Mononuclear	
		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 99

TRT#: 7

SEX: Female

DAY ON TEST: 626

DOSE: 21 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: POLYP STROMAL TGLs = 5-10

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 100

TRT#: 7

SEX: Female

DAY ON TEST: 729

DOSE: 21 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

OBSERVATIONS

Adrenal Gland

Medulla

Pheochromocytoma Complex

Note: PHEOCHROM CPLX TGLs = 4-12

Kidney

Nephropathy

Chronic, Diffuse, Mild

Pituitary Gland

Pars Distalis

Hyperplasia

Mild

Note: HYPERPLASIA TGLs = 1-7

Thyroid Gland

C Cell

Adenoma

Uterus

Polyp Stromal

Note: POLYP STROMAL TGLs = 2-11,3-10

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 101

TRT#: 7

SEX: Female

DAY ON TEST: 729

DOSE: 21 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Nephropathy

Chronic, Diffuse, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 102

TRT#: 7

SEX: Female

DAY ON TEST: 729

DOSE: 21 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye
[Hyperplasia TGLS = 1-11]

Cornea

Hyperplasia

Mild

Kidney

Nephropathy

Chronic, Diffuse, Minimal

Skin

Subcut Tiss

Lipoma

Squamous Cell Papilloma

[Lipoma TGLS = 3-13]

[Squamous Cell Papilloma TGLS = 2-12]

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL4-8, HARDERIAN GLAND WITHIN NORMAL LIMITS ON MICRO

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 103

TRT#: 7

SEX: Female

DAY ON TEST: 665

DOSE: 21 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
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	Lung	Lymph Node - Mandibular
Nose	Ovary	Pancreas	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

MISSING

Parathyroid Gland

OBSERVATIONS

Brain		Compression	Moderate
	Ventricle	Hydrocephalus	Moderate
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Nephropathy	Chronic, Diffuse, Moderate
Liver		Basophilic Focus	Multiple
		Inflammation	Chronic Active, Multifocal, Mild
Note: INFLAMMATION	TGLs = 2-4		
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 1-7		
Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO PITUITARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 104

TRT#: 7

SEX: Female

DAY ON TEST: 452

DOSE: 21 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Liver		Basophilic Focus	Multiple
		Inflammation	Chronic Active, Multifocal, Mild
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Moderate
Mammary Gland		Fibroadenoma	

Note: FIBROADENOMA TGLs = 1-11

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11, SKIN MASS IS MAMMARY TUMOR

Animal Note: MORIBUND SACRIFICE DUE TO LARGE MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 105

TRT#: 7

SEX: Female

DAY ON TEST: 729

DOSE: 21 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney

OBSERVATIONS

Mammary Gland

Adenocarcinoma

Note: ADENOCARC TGLs = 1-11

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11, SKIN MASS IS MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 106

TRT#: 7

SEX: Female

DAY ON TEST: 730

DOSE: 21 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney
Mammary Gland
Note: FIBROADENOMA TGLs = 1-11
Pituitary Gland

Note: ADENOMA TGLs = 3-7
Thyroid Gland
Note: ADENOMA TGLs = 2-7

Pars Distalis
Pars Distalis
Rathkes Cleft

C Cell

Nephropathy
Fibroadenoma

Adenoma
Cyst
Cyst

Adenoma

Chronic, Diffuse, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11, SKIN MASS IS MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 107

TRT#: 7

SEX: Female

DAY ON TEST: 716

DOSE: 21 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Brain		Compression	Moderate
	Ventricle	Hydrocephalus	Moderate
Kidney		Nephropathy	Chronic, Diffuse, Mild
Liver		Basophilic Focus	Multiple
	Centrilobular	Vacuolization Cytoplasmic	Diffuse, Mild
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 1-7		
Stomach	Forestomach	Inflammation	Chronic Active, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO PITUITARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 108

TRT#: 7

SEX: Female

DAY ON TEST: 658

DOSE: 21 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Brain		Compression	Mild
	Ventricle	Hydrocephalus	Moderate
Kidney		Nephropathy	Chronic, Diffuse, Mild
Liver		Leukemia Mononuclear	
	Centrilobular	Vacuolization Cytoplasmic	Diffuse, Moderate
Lung		Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Multifocal, Marked
Note: HYPERPLASIA TGLs = 3-11			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-7			
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-1]			
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO LEUKEMIA

Animal Note: TGL3-11, SKIN MASS IS CYSTIC MAMMARY GLAND

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 109

TRT#: 7

SEX: Female

DAY ON TEST: 646

DOSE: 21 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Brain		Compression	Moderate
	Ventricle	Hydrocephalus	Mild
Kidney		Nephropathy	Chronic, Diffuse, Moderate
Liver		Basophilic Focus	Multiple
Lung		Foreign Body	Multifocal, Mild
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-7			
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Multifocal, Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO PITUITARY TUMOR

Animal Note: TGL2-10, OVARIES ARE WITHIN NORMAL LIMITS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 110

TRT#: 7
DOSE: 21 UG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO:

OBSERVATIONS

Kidney		Nephropathy	Chronic, Diffuse, Mild
Lung	Alveolar Epith	Hyperplasia	Mild
Note: HYPERPLASIA	TGLs = 2-3		
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 1-11		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 3-7		

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11, SKIN MASS IS MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 111

TRT#: 7

SEX: Female

DAY ON TEST: 704

DOSE: 21 UG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	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	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Moderate
	Cortex	Hypertrophy	Mild
Bone Marrow	Femoral	Leukemia Mononuclear	
Heart		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
Liver		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-2		
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Multifocal, Moderate
Note: FIBROADENOMA	TGLs = 1-11		
Pituitary Gland		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-12,4-12]			

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH IS LEUKEMIA

Animal Note: TGL1-11, SKIN MASS IS MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 112

TRT#: 7

SEX: Female

DAY ON TEST: 730

DOSE: 21 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Nephropathy

Chronic, Diffuse, Marked

Mammary Gland

Fibroadenoma

Multiple

Note: FIBROADENOMA TGLs = 2-12,3-13

Pituitary Gland

Pars Distalis

Adenoma

Note: ADENOMA TGLs = 4-7

Skin

Squamous Cell Papilloma

Note: PAPILLOMA SQUA TGLs = 1-11

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL2-12,3-13, SKIN MASSES ARE MAMMARY TUMORS

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 113	TRT#: 7 DOSE: 21 UG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO:
OBSERVATIONS			
Kidney		Nephropathy	Chronic, Diffuse, Mild
Pituitary Gland		Adenoma	
		Cyst	
Note: ADENOMA TGLs = 3-7			
Thyroid Gland		Adenoma	
		Follicular Cel	
Note: ADENOMA TGLs = 4-7			
Note: CARCINOMA TGLs = 4-7			
Uterus		Hyperplasia	Cystic, Glandular, Multifocal, Moderate
		Polyp Stromal	
Note: POLYP STROMAL TGLs = 1-10			
Note: HYPERPLASIA TGLs = 2-10			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 114

TRT#: 7
DOSE: 21 UG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO:

OBSERVATIONS

Kidney
Mesentery
Note: INFLAMMATION TGLs = 2-11
Pancreas
Note: INFLAMMATION TGLs = 1-6

Perivascular
Perivascular

Nephropathy
Inflammation
Inflammation

Chronic, Diffuse, Minimal
Chronic Active, Marked
Chronic Active, Multifocal, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 115

TRT#: 7

SEX: Female

DAY ON TEST: 525

DOSE: 21 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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 - Mandibular
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Nephropathy	Chronic, Diffuse, Minimal
Liver		Basophilic Focus	Multiple
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Mild
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC	TGLs = 1-11		
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO LARGE SUBCUTIS TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 116

TRT#: 7
DOSE: 21 UG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO:

OBSERVATIONS

Kidney
Lung
[Inflammation TGLS = 2-3.1]
Mammary Gland
Note: FIBROADENOMA TGLs = 1-11

Alveolar Epith
Interstitial

Nephropathy
Hyperplasia
Inflammation
Fibroadenoma

Chronic, Diffuse, Mild
Mild
Chronic Active, Multifocal, Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11, SKIN MASS IS MAMMARY TUMOR

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 117

TRT#: 7

SEX: Female

DAY ON TEST: 731

DOSE: 21 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Epithelium, Renal Tubule

Karyomegaly

Multifocal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 118

TRT#: 7

SEX: Female

DAY ON TEST: 731

DOSE: 21 UG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney

OBSERVATIONS

Mammary Gland

Fibroadenoma

Note: FIBROADENOMA TGLs = 2-11

Pituitary Gland

Pars Distalis

Adenoma

Pars Distalis

Cyst

[Adenoma TGLS = 4-7]

Skin

Basosquamous Tumor Benign

Subcut Tiss

Fibrosarcoma

[Basosquamous Tumor Benign TGLS = 3-12]

[Fibrosarcoma TGLS = 1-13]

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL2-11, SKIN MASS IS MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 119

TRT#: 7

SEX: Female

DAY ON TEST: 637

DOSE: 21 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Kidney		Nephropathy	Chronic, Diffuse, Mild
Liver		Basophilic Focus	Multiple
		Cytoplasmic Alteration	Focal, Moderate
Lung		Alveolar/Bronchiolar Adenoma	
	Interstitial	Inflammation	Chronic Active, Multifocal, Mild
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 2-7		
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO PITUITARY TUMOR

Animal Note: TGL1-1 < SPLEEN WITHIN NORMAL LIMITS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 120

TRT#: 7

SEX: Female

DAY ON TEST: 731

DOSE: 21 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney	Epithelium, Renal Tubule	Karyomegaly Nephropathy	Multifocal, Minimal Chronic, Diffuse, Minimal
Mammary Gland Note: FIBROADENOMA TGLs = 2-11		Fibroadenoma	
Pituitary Gland Note: ADENOMA TGLs = 1-7	Pars Distalis Pars Distalis	Adenoma Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL2-11< SKIN MASS IS MAMMARY TUMOR

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 121	TRT#: 7	SEX: Female	DAY ON TEST: 622
	DOSE: 21 UG/KG	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Brain		Compression	Mild
	Ventricle	Hydrocephalus	Moderate
Clitoral Gland		Adenoma	
Note: ADENOMA	TGLs = 1-11		
Kidney		Nephropathy	Chronic, Diffuse, Moderate
Liver		Basophilic Focus	Multiple
		Cytoplasmic Alteration	Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 2-7		
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO PITUITARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 122

TRT#: 7

SEX: Female

DAY ON TEST: 726

DOSE: 21 UG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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 - Mandibular	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Heart		Sarcoma	
Kidney		Nephropathy	Chronic, Diffuse, Mild
Liver		Basophilic Focus	Multiple
		Inflammation	Chronic Active, Multifocal, Mild
Lung	Perivascular	Edema	Acute, Moderate
		Foreign Body	Multifocal, Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH,HEART SARCOMA, PRIMARY OR METASTATIC UNK.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 123

TRT#: 7

SEX: Female

DAY ON TEST: 538

DOSE: 21 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Clitoral Gland	Esophagus	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Nose	Ovary	Pancreas
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Uterus			

MISSING

Lymph Node - Mandibular	Parathyroid Gland
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OBSERVATIONS

Brain		Astrocytoma Malignant	
Kidney		Nephropathy	Chronic, Diffuse, Minimal
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Thyroid Gland	C Cell	Hyperplasia	Mild
Urinary Bladder		Hemorrhage	Moderate
		Inflammation	Acute, Moderate

Note: INFLAMMATION TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO URINARY TRACT INFECTION

Animal Note: TGL2-10, VAGINAL WALL WITHIN NORMAL LIMITS

Animal Note: MO

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 124

TRT#: 7

SEX: Female

DAY ON TEST: 731

DOSE: 21 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney		Nephropathy	Chronic, Diffuse, Moderate
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Moderate
Note: INFLAMMATION	TGLs = 3-2		
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 1-11		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 2-7		
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11, SKIN MASS IS MAMMARY TUMOR

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 125

TRT#: 7

SEX: Female

DAY ON TEST: 436

DOSE: 21 UG/KG

DISP: Gavage Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Clitoral Gland

Esophagus

Harderian Gland

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Kidney

Lymph Node - Mandibular

Nose

Ovary

Pancreas

Parathyroid Gland

Pituitary Gland

Salivary Glands

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

Uterus

MISSING

Urinary Bladder

OBSERVATIONS

Liver

Basophilic Focus

Multiple

Lung

Perivascular

Edema

Acute, Mild

Mammary Gland

Foreign Body

Multifocal, Mild

Fibroadenoma

Hyperplasia

Cystic, Multifocal, Mild

Note: FIBROADENOMA TGLs = 2-11

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL3-12, HIATAL STRESS NODULE, NO TUMOR

Animal Note: TGL4-5, THE BRAIN IS WITHIN NORMAL LIMITS

Animal Note: TGL1-7, MANDIBULAR LYMPH NODE WITHIN NORMAL LIMITS

Animal Note: TGL2-11, SKIN MASS IS MAMMARY TUMOR

Animal Note: CAUSE OF DEATH POSSIBLY GAVAGE RELATED

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 126

TRT#: 7

SEX: Female

DAY ON TEST: 577

DOSE: 21 UG/KG

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	Kidney	Lymph Node - Mandibular
Nose	Pancreas	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Harderian Gland	Parathyroid Gland
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OBSERVATIONS

Heart		Degeneration	Chronic, Multifocal, Mild
Liver		Basophilic Focus	Multiple
	Centrilobular	Vacuolization Cytoplasmic	Diffuse, Mild
Lung	Interstitial	Inflammation	Chronic Active, Multifocal, Mild
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Ovary	Periovarn Tiss	Cyst	
Note: CYST	TGLs = 1-10		
Pituitary Gland	Pars Nervosa	Hyperplasia	Glandular, Mild
Note: HYPERPLASIA	TGLs = 3-7		
Zymbal's Gland		Carcinoma	
Note: CARCINOMA	TGLs = 2-11		

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO ZYMBALS GLAND TUMOR ON FACE

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 127

TRT#: 7

SEX: Female

DAY ON TEST: 624

DOSE: 21 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Liver
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Nephropathy	Chronic, Diffuse, Mild
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Mild
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Ovary	Follicle	Cyst	
Skin	Subcut Tiss	Fibroma	
Note: FIBROMA	TGLs = 1-11		
Spleen	Red Pulp	Hematopoietic Cell Proliferation	Diffuse, Moderate
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO SKIN TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 128

TRT#: 7

SEX: Female

DAY ON TEST: 731

DOSE: 21 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Mammary Gland

Note: FIBROADENOMA TGLs = 1-11

Nephropathy

Fibroadenoma

Chronic, Diffuse, Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11, SKIN MASS IS MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 129

TRT#: 7

SEX: Female

DAY ON TEST: 645

DOSE: 21 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Diffuse, Moderate
Liver	Bile Duct	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-11		
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Ovary	Periovarn Tiss	Cyst	
Note: CYST	TGLs = 5-10		
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST	TGLs = 1-7		
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 2-12,3-12		
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 130

TRT#: 7

DOSE: 21 UG/KG

SEX: Female

DISP: Dead

DAY ON TEST: 665

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Clitoral Gland

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Brain		Compression	Moderate
	Ventricle	Hydrocephalus	Mild
Eye	Retina	Atrophy	Diffuse, Mild
	Lens	Cataract	Mild
Note: ATROPHY	TGLs = 1-11		
Note: CATARACT	TGLs = 1-11		
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Nephropathy	Chronic, Diffuse, Mild
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Multifocal, Moderate
Note: FIBROADENOMA	TGLs = 3-12		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 2-7		

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH IS PITUITARY TUMOR

Animal Note: TGL3-12, CLITORAL GLAND MASS IS MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 138

TRT#: 7

SEX: Female

DAY ON TEST: 201

DOSE: 21 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Kidney		Nephropathy	Chronic, Diffuse, Minimal
Spleen	Red Pulp	Hematopoietic Cell Proliferation	Diffuse, Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO UNDETERMINED CAUSE

Animal Note: TGL1-7, ADRENALS APPEAR TO BE WITHIN NORMAL LIMITS

Animal Note: TGL2-4, THE BRAIN IS WITHIN NORMAL LIMITS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 161

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 70 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Epithelium, Renal Tubule

Degeneration

Multifocal, Mild

Epithelium, Renal Tubule

Karyomegaly

Multifocal, Mild

Pituitary Gland

Pars Distalis

Nephropathy

Chronic, Diffuse, Minimal

Note: CYST

TGLs = 1-7

Cyst

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 162

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 70 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Epithelium, Renal Tubule

Degeneration

Multifocal, Mild

Epithelium, Renal Tubule

Hyperplasia

Focal, Mild

Epithelium, Renal Tubule

Karyomegaly

Multifocal, Mild

Nephropathy

Chronic, Diffuse, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 163

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 70 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Clitoral Gland

Duct

Hyperplasia
Inflammation

Squamous, Multifocal, Moderate
Chronic Active, Moderate

Note: INFLAMMATION TGLs = 1-10

Kidney

Epithelium, Renal Tubule
Epithelium, Renal Tubule
Epithelium, Renal Tubule

Degeneration
Hyperplasia
Karyomegaly
Nephropathy
Hyperplasia

Multifocal, Mild
Multifocal, Mild
Multifocal, Mild

Chronic, Diffuse, Minimal
Cystic, Multifocal, Marked

Mammary Gland

Note: HYPERPLASIA TGLs = 2-11

Ovary

Periovarn Tiss

Cyst

Note: CYST TGLs = 3-10

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL2-11, SKIN MASS IS REALLY MAMMARY TISSUE

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 164

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 70 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Epithelium, Renal Tubule

Degeneration

Multifocal, Moderate

Epithelium, Renal Tubule

Hyperplasia

Multifocal, Mild

Epithelium, Renal Tubule

Karyomegaly

Multifocal, Mild

Nephropathy

Chronic, Diffuse, Mild

Liver

Basophilic Focus

Multiple

Mammary Gland

Fibroadenoma

Note: FIBROADENOMA TGLs = 2-12

Pituitary Gland

Pars Distalis

Adenoma

Note: ADENOMA TGLs = 3-7

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL2-12, SKIN MASS IS MAMMARY TUMOR

Animal Note: TGL1-11, LIVER NODULE IS HIATAL STRESS TYPE, NO TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 165

TRT#: 8

SEX: Female

DAY ON TEST: 506

DOSE: 70 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Liver
Lung	Lymph Node - Mandibular	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea			

OBSERVATIONS

Heart		Degeneration	Chronic, Multifocal, Mild
Kidney	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
		Hydronephrosis	Moderate
	Epithelium, Renal Tubule	Hyperplasia	Focal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Minimal
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pituitary Gland	Pars Distalis	Cyst	
Thyroid Gland	C Cell	Hyperplasia	Mild
Urinary Bladder		Ectasia	Marked
Note: ECTASIA	TGLs = 1-6		
Uterus		Sarcoma Stromal	
Note: SARC STROMAL	TGLs = 2-11		

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SACRIFICE DUE TO UTERINE MASS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 166

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 70 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Epithelium, Renal Tubule
Epithelium, Renal Tubule

Degeneration
Karyomegaly
Nephropathy
Basophilic Focus
Cytoplasmic Alteration

Multifocal, Mild
Multifocal, Mild
Chronic, Diffuse, Mild
Multiple
Focal, Mild

Liver

Note: CYTOPLAS ALTER TGLs = 4-4

Mammary Gland

Note: FIBROADENOMA TGLs = 1-12,2-11

Pituitary Gland

Pars Distalis

Fibroadenoma

Multiple

Note: ADENOMA TGLs = 3-1

Thyroid Gland

C Cell

Adenoma

Adenoma

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-12, SKIN MASS IS REALLY MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 167

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 70 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Epithelium, Renal Tubule

Degeneration

Multifocal, Mild

Epithelium, Renal Tubule

Karyomegaly

Multifocal, Mild

Liver

Nephropathy

Chronic, Diffuse, Minimal

Pituitary Gland

Pars Distalis

Basophilic Focus

Multiple

Note: ADENOMA TGLs = 2-7

Adenoma

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11, LIVER NODULE IS HIATAL STRESS TYPE, NO TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 168

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 70 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Pituitary Gland
Note: ADENOMA TGLs = 2-7

Skin
Note: ACANTHOSIS TGLs = 1-11

Epithelium, Renal Tubule
Epithelium, Renal Tubule

Epithelium, Renal Tubule
Pars Distalis

Degeneration
Karyomegaly
Nephropathy
Proliferation
Adenoma

Acanthosis

Multifocal, Mild
Multifocal, Mild
Chronic, Diffuse, Marked
Multifocal, Mild

Multifocal, Mild

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 169

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 70 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye

Retina

Atrophy

Diffuse, Marked

Lens

Cataract

Moderate

Note: CATARACT TGLs = 2-12

Note: ATROPHY TGLs = 2-12

Kidney

Epithelium, Renal Tubule

Degeneration

Multifocal, Mild

Epithelium, Renal Tubule

Hyperplasia

Multifocal, Mild

Epithelium, Renal Tubule

Karyomegaly

Multifocal, Mild

Nephropathy

Chronic, Diffuse, Mild

Fibroadenoma

Mammary Gland

Note: FIBROADENOMA TGLs = 1-13

Uterus

Note: LEIOMYOSAR TGLs = 3-11

Leiomyosarcoma

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-13, SKIN MASS IS REALLY MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 170

TRT#: 8

SEX: Female

DAY ON TEST: 667

DOSE: 70 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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	Lung	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Minimal
Liver		Nephropathy	Chronic, Diffuse, Minimal
	Note: LEUKEMIA MONUC TGLs = 3-4	Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	
	Note: FIBROADENOMA TGLs = 1-12	Hyperplasia	Cystic, Multifocal, Moderate
Pituitary Gland	Pars Distalis	Carcinoma	
Spleen		Leukemia Mononuclear	
	Note: LEUKEMIA MONUC TGLs = 2-11		
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO LARGE MAMMARY TUMOR

Animal Note: TGL1-12, SKIN MASS IS VERY LARGE MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 171

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 70 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney	Epithelium, Renal Tubule Epithelium, Renal Tubule	Degeneration Karyomegaly Nephropathy Fibroadenoma	Multifocal, Mild Multifocal, Mild Chronic, Diffuse, Minimal
Mammary Gland Note: FIBROADENOMA TGLs = 1-11			
Pituitary Gland Note: HYPERPLASIA TGLs = 2-7	Pars Distalis	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11, SKIN MASS IS MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 172

TRT#: 8

SEX: Female

DAY ON TEST: 665

DOSE: 70 UG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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 - Mandibular	Nose
Ovary	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Necrosis	Acute, Mild
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney	Epithelium, Renal Tubule	Degeneration	Multifocal, Minimal
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Minimal
		Nephropathy	Chronic, Diffuse, Minimal
Liver		Basophilic Focus	Multiple
		Inflammation	Chronic Active, Multifocal, Mild
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Moderate
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Note: HYPERPLASIA TGLs = 3-7			
Thyroid Gland	Follicular Cel	Carcinoma	
	C Cell	Hyperplasia	Mild
Note: CARCINOMA TGLs = 1-7.1			

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL2-11, MASS ON ESOPHAGUS IS NORMAL FAT ON MICRO

Animal Note: CAUSE OF DEATH POSSIBLY DUE TO THYROID TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 173

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 70 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney	Epithelium, Renal Tubule Epithelium, Renal Tubule	Degeneration Karyomegaly Nephropathy Inflammation	Multifocal, Mild Multifocal, Mild Chronic, Diffuse, Minimal Chronic Active, Multifocal, Mild
Lung Note: INFLAMMATION TGLs = 2-3,4-11	Interstitialium		
Pituitary Gland Note: HYPERPLASIA TGLs = 3-7	Pars Distalis	Hyperplasia	Moderate
Spleen Note: DEGEN TGLs = 1-10		Degeneration	Fatty, Focal, Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL2-3,4-11, LUNG LESIONS ARE VERY SMALL ON MICRO

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 174

TRT#: 8

SEX: Female

DAY ON TEST: 659

DOSE: 70 UG/KG

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	Lymph Node - Mandibular	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Medulla Cortex	Hyperplasia Necrosis	Mild Acute, Mild
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney	Epithelium, Renal Tubule Epithelium, Renal Tubule Epithelium, Renal Tubule	Degeneration Hyperplasia Karyomegaly	Multifocal, Minimal Focal, Mild Multifocal, Minimal
Liver		Nephropathy Basophilic Focus	Chronic, Diffuse, Minimal Multiple
Lung	Bile Duct Alveolar Epith	Hyperplasia Hyperplasia	Multifocal, Mild Mild
Mammary Gland		Adenocarcinoma Fibroadenoma Hyperplasia	Cystic, Multifocal, Moderate
Note: FIBROADENOMA TGLs = 3-12 Note: ADENOCARC TGLs = 2-11			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Note: HYPERPLASIA TGLs = 1-7			
Spleen	Red Pulp	Hematopoietic Cell Proliferation	Diffuse, Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL2-11, SKIN MASS IS MAMMARY TUMOR

Animal Note: MORIBUND SACRIFICE DUE TO MAMMARY TUMORS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 175

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 70 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Clitoral Gland
Note: ADENOMA TGLs = 1-11

Adenoma

Kidney
Epithelium, Renal Tubule
Epithelium, Renal Tubule

Degeneration

Multifocal, Minimal

Karyomegaly

Multifocal, Minimal

Nephropathy

Chronic, Diffuse, Minimal

Mammary Gland

Fibroadenoma

Hyperplasia

Cystic, Multifocal, Moderate

Note: FIBROADENOMA TGLs = 2-12

Pituitary Gland
Pars Distalis

Cyst

Note: CYST TGLs = 3-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 176

TRT#: 8
DOSE: 70 UG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO:

OBSERVATIONS

Kidney

Epithelium, Renal Tubule
Epithelium, Renal Tubule
Epithelium, Renal Tubule

Degeneration
Hyperplasia
Karyomegaly
Nephropathy

Multifocal, Mild
Multifocal, Mild
Multifocal, Mild
Chronic, Diffuse, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 177

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 70 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Atrophy	Diffuse, Marked
	Lens	Cataract	Marked
Note: CATARACT TGLs = 1-13			
Note: ATROPHY TGLs = 1-13			
Kidney	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Mild
	Epithelium, Renal Tubule	Proliferation	Multifocal, Mild
Mammary Gland		Adenocarcinoma	
		Fibroadenoma	
		Hyperplasia	Cystic, Multifocal, Marked
Note: HYPERPLASIA TGLs = 3-12			
Note: FIBROADENOMA TGLs = 2-11			
Ovary	Periovarn Tiss	Cyst	
Note: CYST TGLs = 4-10			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 5-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 178

TRT#: 8
DOSE: 70 UG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO:

OBSERVATIONS

Kidney
Epithelium, Renal Tubule
Epithelium, Renal Tubule

Degeneration
Karyomegaly
Nephropathy
Adenoma
Fibroadenoma

Multifocal, Mild
Multifocal, Mild
Chronic, Diffuse, Minimal
Multiple

Mammary Gland

Note: FIBROADENOMA TGLs = 1-11
Note: ADENOMA TGLs = 2-12

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11,2-12, SKIN MASSES ARE MAMMARY TUMORS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 179

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 70 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Epithelium, Renal Tubule

Degeneration

Multifocal, Mild

Epithelium, Renal Tubule

Karyomegaly

Multifocal, Moderate

Uterus

Polyp Stromal

[Polyp Stromal TGLS = 1-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 180

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 70 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Epithelium, Renal Tubule

Cyst

Degeneration

Multifocal, Minimal

Epithelium, Renal Tubule

Hyperplasia

Multifocal, Mild

Epithelium, Renal Tubule

Karyomegaly

Multifocal, Mild

Mammary Gland

Fibroadenoma

[Fibroadenoma TGLS = 1-11]

Pituitary Gland

Pars Distalis

Adenoma

Note: ADENOMA TGLs = 2-7

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11, SKIN MASS IS MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 181

TRT#: 8

SEX: Female

DAY ON TEST: 669

DOSE: 70 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	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	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

MISSING

Clitoral Gland

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Medulla	Leukemia Mononuclear	
Bone Marrow	Femoral	Leukemia Mononuclear	
Eye	Retina	Atrophy	Diffuse, Marked
	Lens	Cataract	Marked
Note: CATARACT	TGLs = 5-11		
Note: ATROPHY	TGLs = 5-11		
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Hyperplasia	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
Liver	Bile Duct	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-4		
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Multifocal, Moderate
Note: FIBROADENOMA	TGLs = 1-12		
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 2-1		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 181	TRT#: 8 DOSE: 70 UG/KG	SEX: Female DISP: Moribund	DAY ON TEST: 669 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
Uterus		Polyp Stromal	
Note: POLYP STROMAL TGLs = 4-10			

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-12, SKIN MASS IS MAMMARY TUMOR

Animal Note: MORIBUND SACRIFICE DUE TO LEUKEMIA AND MAMMARY TUMOR

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 182

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 70 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Epithelium, Renal Tubule
Epithelium, Renal Tubule

Degeneration
Karyomegaly
Nephropathy

Multifocal, Mild
Multifocal, Mild
Chronic, Diffuse, Minimal

Pituitary Gland

Pars Distalis
Pars Distalis

Adenoma
Cyst

[Adenoma TGLS = 1-7]

[Cyst TGLS = 1-7]

Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 183

TRT#: 8

SEX: Female

DAY ON TEST: 589

DOSE: 70 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Nose
Salivary Glands
Stomach - Glandular
Uterus

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

Bone
Harderian Gland
Intestine Small - Duodenum
Lung
Pancreas
Spleen
Trachea

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Parathyroid Gland
Stomach - Forestomach
Urinary Bladder

OBSERVATIONS

Brain		Compression	
	Ventricle	Hydrocephalus	Moderate
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Hyperplasia	Focal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
Liver		Nephropathy	Chronic, Diffuse, Mild
Mammary Gland		Basophilic Focus	Multiple
Pituitary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Note: ADENOMA	Pars Distalis	Adenoma	
TGLs = 1-7			
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO PITUITARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 184

TRT#: 8

SEX: Female

DAY ON TEST: 697

DOSE: 70 UG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Esophagus
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 - Mandibular	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	
	Medulla	Pheochromocytoma Benign	
Note: PHEOCHROM BGN TGLs = 1-7			
Clitoral Gland		Inflammation	Chronic Active, Mild
Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Mineralization	Multifocal, Moderate
		Nephropathy	Chronic, Diffuse, Moderate
Liver		Basophilic Focus	Multiple
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Note: HYPERPLASIA TGLs = 2-7			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

Animal Note: PROBABLE CAUSE OF DEATH, LARGE ADRENAL TUMOR

Animal Note: TGL3-1, SPLEEN WITHIN NORMAL LIMITS ON MICRO

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 185

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 70 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney	Epithelium, Renal Tubule Epithelium, Renal Tubule	Degeneration Karyomegaly Nephropathy Fibroadenoma	Multifocal, Mild Multifocal, Mild Chronic, Diffuse, Mild
Mammary Gland Note: FIBROADENOMA TGLs = 2-12			
Pituitary Gland Note: ADENOMA TGLs = 1-7	Pars Distalis Pars Distalis	Adenoma Hyperplasia	Moderate
Tongue Note: HYPERPLASIA TGLs = 3-11 Note: HYPERKERATOSIS TGLs = 3-11	Epithelium Epithelium	Hyperkeratosis Hyperplasia	Focal, Mild Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL2-12, SKIN MASS IS MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 186

TRT#: 8
DOSE: 70 UG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO:

OBSERVATIONS

Kidney

Ovary
Note: CYST TGLs = 1-10

Epithelium, Renal Tubule
Epithelium, Renal Tubule

Periovarn Tiss

Degeneration
Karyomegaly
Nephropathy
Cyst

Multifocal, Mild
Multifocal, Mild
Chronic, Diffuse, Minimal

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 187

TRT#: 8

SEX: Female

DAY ON TEST: 637

DOSE: 70 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Clitoral Gland	Thymus
----------------	--------

OBSERVATIONS

Adrenal Gland Note: DEGEN TGLs = 2-7	Cortex	Degeneration	Fatty, Marked
Islets, Pancreatic		Adenoma	
Kidney	Renal Tubule	Adenoma	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Minimal
	Epithelium, Renal Tubule	Hyperplasia	Focal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Minimal
		Nephropathy	Chronic, Diffuse, Mild
Liver		Basophilic Focus	Multiple
Lung Note: INFLAMMATION TGLs = 1-2,1-3	Interstitialium	Inflammation	Chronic Active, Multifocal, Mild
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pituitary Gland	Pars Intermed	Carcinoma	
Thyroid Gland Note: CARCINOMA TGLs = 3-7	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO PITUITARY TUMOR AND

Animal Note: ADRENAL GLAND DEGENERATION

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 188

TRT#: 8
DOSE: 70 UG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO:

OBSERVATIONS

Kidney

Epithelium, Renal Tubule
Epithelium, Renal Tubule

Degeneration
Karyomegaly
Nephropathy
Inflammation

Multifocal, Minimal
Multifocal, Minimal
Chronic, Diffuse, Minimal
Chronic Active, Multifocal, Moderate

Lung

Interstitialium

[Inflammation TGLS = 1-2]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 189

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 70 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Epithelium, Renal Tubule

Degeneration

Multifocal, Mild

Epithelium, Renal Tubule

Karyomegaly

Multifocal, Mild

Mammary Gland

Nephropathy

Chronic, Diffuse, Minimal

[Fibroadenoma TGLS = 1-11]

Fibroadenoma

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11, SKIN MASS IS MAMMARY GLAND TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 190

TRT#: 8

SEX: Female

DAY ON TEST: 319

DOSE: 70 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex, Medulla	Carcinoma	Metastatic (Kidney)
Kidney	Renal Tubule	Carcinoma	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Minimal
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Minimal
		Nephropathy	Chronic, Diffuse, Minimal
Note: CARCINOMA	TGLs = 3-11,3-12		
Liver		Carcinoma	Metastatic (Kidney)
Lung		Carcinoma	Metastatic (Kidney)
Note: CARCINOMA	TGLs = 4-2,4-3		
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Mesentery		Carcinoma	Metastatic (Kidney)
Note: CARCINOMA	TGLs = 2-11		
Ovary		Carcinoma	Metastatic (Kidney)
Pancreas		Carcinoma	Metastatic (Kidney)
Note: CARCINOMA	TGLs = 1-11		

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO RENAL CARCINOMA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 191

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 70 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Epithelium, Renal Tubule

Degeneration

Multifocal, Mild

Epithelium, Renal Tubule

Karyomegaly

Multifocal, Mild

Mammary Gland

Nephropathy

Chronic, Diffuse, Minimal

[Fibroadenoma TGLS = 1-11]

Fibroadenoma

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11, SKIN MASS IS MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 192

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 70 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Epithelium, Renal Tubule

Degeneration

Multifocal, Mild

Epithelium, Renal Tubule

Karyomegaly

Multifocal, Mild

Mammary Gland

Nephropathy

Chronic, Diffuse, Minimal

[Fibroadenoma TGLS = 1-11]

Fibroadenoma

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11, SKIN MASS IS MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 193

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 70 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney	Epithelium, Renal Tubule Epithelium, Renal Tubule	Degeneration Karyomegaly Nephropathy	Multifocal, Minimal Multifocal, Minimal Chronic, Diffuse, Minimal
Pituitary Gland [Adenoma TGLS = 1-7]	Pars Intermed	Adenoma	
Uterus [Hyperplasia TGLS = 2-10]	Endometrium	Hyperplasia	Cystic, Glandular, Multifocal, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 194

TRT#: 8

SEX: Female

DAY ON TEST: 466

DOSE: 70 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
Eye	Retina	Atrophy	Diffuse, Marked
	Lens	Cataract	Moderate
Note: CATARACT	TGLs = 1-11		
Note: ATROPHY	TGLs = 1-11		
Kidney	Epithelium, Renal Tubule	Degeneration	Multifocal, Minimal
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Minimal
Liver	Centrilobular	Vacuolization Cytoplasmic	Diffuse, Mild
Lung	Interstitium	Inflammation	Chronic Active, Multifocal, Moderate
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Multifocal, Moderate
Note: HYPERPLASIA	TGLs = 3-7		
Spleen	Red Pulp	Hematopoietic Cell Proliferation	Diffuse, Moderate
Thyroid Gland	C Cell	Hyperplasia	Mild
Zymbal's Gland		Carcinoma	
Note: CARCINOMA	TGLs = 2-12		

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC DUE TO ZYMBALS GLAND TUMOR

Animal Note: TGL2-12, EAR MASS IS ZYMBALS GLAND TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 195

TRT#: 8
DOSE: 70 UG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO:

OBSERVATIONS

Kidney

Epithelium, Renal Tubule
Epithelium, Renal Tubule
Epithelium, Renal Tubule

Cytoplasmic Alteration
Degeneration
Karyomegaly
Nephropathy
Fibroadenoma

Focal, Mild
Multifocal, Mild
Multifocal, Mild
Chronic, Diffuse, Mild

Mammary Gland

Note: FIBROADENOMA TGLs = 1-11

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 196

TRT#: 8

SEX: Female

DAY ON TEST: 622

DOSE: 70 UG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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	Liver	Lymph Node - Mandibular
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Uterus	

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
Lung	Interstitialium	Nephropathy	Chronic, Diffuse, Minimal
		Inflammation	Chronic Active, Multifocal, Moderate
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pituitary Gland	Pars Distalis	Cyst	
Skin	Subcut Tiss	Fibroma	
	Subcut Tiss	Inflammation	Chronic Active, Diffuse, Marked
Note: FIBROMA TGLs = 1-7			
Note: INFLAMMATION TGLs = 1-11			
Thyroid Gland	C Cell	Hyperplasia	Moderate
Urinary Bladder	Mucosa	Calculus Gross Observation	
		Ectasia	Marked
		Hyperplasia	Diffuse, Marked
Note: HYPERPLASIA TGLs = 3-12			
Note: ECTASIA TGLs = 2-12			

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH, URINARY TRACT OBSTRUCTION

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 197

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 70 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye

Retina

Atrophy

Diffuse, Moderate

Lens

Cataract

Moderate

[Atrophy TGLS = 1-11]

[Cataract TGLS = 1-11]

Kidney

Epithelium, Renal Tubule

Degeneration

Multifocal, Mild

Epithelium, Renal Tubule

Karyomegaly

Multifocal, Mild

Pituitary Gland

Pars Distalis

Cyst

Chronic, Diffuse, Mild

[Cyst TGLS = 2-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 198

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 70 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney	Epithelium, Renal Tubule Epithelium, Renal Tubule	Degeneration Karyomegaly Nephropathy Inflammation	Multifocal, Mild Multifocal, Mild Chronic, Diffuse, Mild Chronic Active, Multifocal, Moderate
Lung	Interstitialium		
Note: INFLAMMATION TGLs = 2-2,2-3			
Mammary Gland		Hyperplasia	Cystic, Multifocal, Marked
Note: HYPERPLASIA TGLs = 1-11			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 3-7			

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11, SKIN MASS IS HYPERPLASTIC MAMMARY TISSUE

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 199	TRT#: 8 DOSE: 70 UG/KG	SEX: Female DISP: Dead	DAY ON TEST: 370 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Heart
Intestine Large - Colon	Intestine Small - Jejunum	Liver	Lymph Node - Mandibular
Mammary Gland	Nose	Ovary	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Harderian Gland	Thymus
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AUTO PRECLUDES DIAG.

Intestine Large - Cecum Islets, Pancreatic	Intestine Large - Rectum Pancreas	Intestine Small - Duodenum	Intestine Small - Ileum
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OBSERVATIONS

Kidney	Cortex Epithelium, Renal Tubule	Hemorrhage Karyomegaly	Focal, Moderate Multifocal, Mild
[Karyomegaly TGLS = 1-1]			
Lung		Foreign Body	Multifocal, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL2-5, BRAIN WITHIN NORMAL LIMITS
Animal Note: CAUSE OF DEATH UNDETERMINED

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 200

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 70 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney	Epithelium, Renal Tubule Epithelium, Renal Tubule	Degeneration Karyomegaly Nephropathy	Multifocal, Mild Multifocal, Mild Chronic, Diffuse, Mild
Pituitary Gland	Pars Distalis Pars Distalis	Cyst Hyperplasia	Moderate
[Cyst TGLS = 1-7]			
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Multifocal, Moderate
[Hyperplasia TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 201 **TRT#:** 8 **SEX:** Female **DAY ON TEST:** 695
DOSE: 70 UG/KG **DISP:** Moribund **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	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 - Mandibular	Nose	Ovary	Pancreas
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Trachea	Urinary Bladder	Uterus

MISSING

Clitoral Gland	Parathyroid Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
Brain		Compression	
	Ventricle	Hydrocephalus	Moderate
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Moderate
Liver		Basophilic Focus	Multiple
Lung	Interstitium	Inflammation	Chronic Active, Multifocal, Mild
Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Multifocal, Moderate
Note: FIBROADENOMA TGLs = 1-12,2-13			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 3-7			
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-12,2-13, SKIN MASSES ARE MAMMARY TUMORS
Animal Note: TGL4-11, LIVER NODULE IS HIATAL STRESS TYPE, NO TUMOR
Animal Note: MORIBUND SACRIFICE DUE TO PITUITARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 202

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 70 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Epithelium, Renal Tubule

Degeneration

Multifocal, Mild

Epithelium, Renal Tubule

Karyomegaly

Multifocal, Mild

Pituitary Gland

Pars Distalis

Nephropathy

Chronic, Diffuse, Minimal

[Adenoma TGLS = 1-7]

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 203

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 70 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney	Epithelium, Renal Tubule Epithelium, Renal Tubule	Degeneration Karyomegaly Nephropathy Cytoplasmic Alteration	Multifocal, Mild Multifocal, Mild Chronic, Diffuse, Moderate Focal, Moderate
Liver [Cytoplasmic Alteration TGLS = 3-4]			
Mammary Gland [Fibroadenoma TGLS = 1-11,2-12]		Fibroadenoma	Multiple
Pituitary Gland [Adenoma TGLS = 4-7]	Pars Distalis	Adenoma	

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11,2-12, SKIN MASSES ARE MAMMARY GLAND TUMORS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 204

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 70 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Clitoral Gland
Note: ADENOMA TGLs = 1-12,1-13

Bilateral

Adenoma

Kidney
Epithelium, Renal Tubule
Epithelium, Renal Tubule

Degeneration

Multifocal, Mild

Karyomegaly

Multifocal, Mild

Nephropathy

Chronic, Diffuse, Minimal

Epithelium, Renal Tubule

Proliferation

Focal, Mild

Mammary Gland
Note: FIBROADENOMA TGLs = 2-11

Fibroadenoma

Ovary
Note: CYST TGLs = 3-10

Periovarn Tiss

Cyst

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 205	TRT#: 8 DOSE: 70 UG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO:
OBSERVATIONS			
Clitoral Gland Note: CARCINOMA TGLs = 2-13		Carcinoma	
Kidney	Epithelium, Renal Tubule Epithelium, Renal Tubule Epithelium, Renal Tubule	Degeneration Hyperplasia Karyomegaly Nephropathy	Multifocal, Mild Focal, Mild Multifocal, Mild Chronic, Diffuse, Minimal
Lymph Node Note: CYST TGLs = 3-12 Note: INFLAMMATION TGLs = 3-12	Lumbar Lumbar	Cyst Inflammation	Chronic Active, Multifocal, Moderate
Mammary Gland Note: FIBROADENOMA TGLs = 1-11		Fibroadenoma	
Pituitary Gland Note: ADENOMA TGLs = 4-7 Note: CYST TGLs = 4-7	Pars Distalis Pars Distalis	Adenoma Cyst	
PRIMARY CAUSE OF DEATH -			
Animal Note: TGL1-11, SKIN MASS IS MAMMARY GLAND TUMOR			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 206

TRT#: 8
DOSE: 70 UG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO:

OBSERVATIONS

Adrenal Gland
Clitoral Gland
Note: ADENOMA TGLs = 1-11

Medulla
Epithelium, Renal Tubule
Epithelium, Renal Tubule

Pheochromocytoma Benign
Adenoma

Kidney
Pituitary Gland
Note: ADENOMA TGLs = 2-7
Thyroid Gland

Pars Distalis
Bilateral, C Cell

Degeneration
Karyomegaly
Nephropathy
Adenoma
Adenoma

Multifocal, Mild
Multifocal, Mild
Chronic, Diffuse, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 207

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 70 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Epithelium, Renal Tubule

Degeneration

Multifocal, Minimal

Epithelium, Renal Tubule

Karyomegaly

Multifocal, Minimal

Mammary Gland

Nephropathy

Chronic, Diffuse, Minimal

[Fibroadenoma TGLS = 1-11]

Fibroadenoma

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11, SKIN MASS IS MAMMARY GLAND TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 208

TRT#: 8

SEX: Female

DAY ON TEST: 506

DOSE: 70 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
Liver		Basophilic Focus	Multiple
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Pituitary Gland	Pars Distalis	Cyst	
Zymbal's Gland		Carcinoma	

Note: CARCINOMA TGLs = 1-11

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL2-7, MANDIBULAR LYMPH NODE WITHIN NORMAL LIMITS

Animal Note: MORIBUND SACRIFICE DUE TO ZYMBALS TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 209

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 70 UG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Kidney

Epithelium, Renal Tubule

Degeneration

Multifocal, Mild

Epithelium, Renal Tubule

Karyomegaly

Multifocal, Mild

Mammary Gland

Nephropathy

Chronic, Diffuse, Minimal

Fibroadenoma

Multiple

Note: FIBROADENOMA TGLs = 1-11,2-12

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11,2-12, SKIN MASSES ARE MAMMARY GLAND TUMORS

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 210

TRT#: 8

SEX: Female

DAY ON TEST: 564

DOSE: 70 UG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Brain		Oligodendroglioma Malignant	
Note: OLIGODENDR MAL TGLs = 2-5			
Kidney	Epithelium, Renal Tubule Epithelium, Renal Tubule	Degeneration Karyomegaly Nephropathy	Multifocal, Minimal Multifocal, Minimal Chronic, Diffuse, Minimal
Liver		Basophilic Focus Inflammation	Multiple Chronic Active, Multifocal, Mild
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11, LIVER NODULE IS HIATAL STRESS TYPE, NO TUMOR

Animal Note: MORIBUND SACRIFICE DUE TO BRAIN TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 241

TRT#: 9

SEX: Female

DAY ON TEST: 728

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	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 - Mandibular	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Bone Marrow	Femoral	Hyperplasia	Reticulum Cell, Mild
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Cyst	Multiple
	Epithelium, Renal Tubule	Degeneration	Multifocal, Moderate
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Moderate
	Epithelium, Renal Tubule	Proliferation	Focal, Mild
[Degeneration TGLS = 3-1.1,5-1]			
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Mild
Lung	Interstitial	Inflammation	Chronic Active, Multifocal, Minimal
Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Multifocal, Moderate
Note: FIBROADENOMA TGLs = 1-12,2-11			
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Moderate
Note: CYST TGLs = 4-7			
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 242

TRT#: 9

SEX: Female

DAY ON TEST: 728

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Nose
Salivary Glands
Stomach - Glandular
Urinary Bladder

Bone
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Ovary
Skin
Thymus

Bone Marrow
Harderian Gland
Intestine Small - Duodenum
Lung
Pancreas
Spleen
Thyroid Gland

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

OBSERVATIONS

Adrenal Gland
Eye
Note: CATARACT TGLs = 3-12
Heart
Kidney
[Cyst TGLS = 2-11,4-1]
Liver
Mammary Gland
Pituitary Gland
Uterus
Note: POLYP STROMAL TGLs = 1-10

Cortex
Retina
Lens
Epithelium, Renal Tubule
Epithelium, Renal Tubule
Pars Distalis

Hyperplasia
Atrophy
Cataract
Degeneration
Cyst
Degeneration
Karyomegaly
Nephropathy
Basophilic Focus
Hyperplasia
Cyst
Polyp Stromal

Mild
Diffuse, Marked
Marked
Chronic, Multifocal, Moderate
Multiple
Multifocal, Moderate
Multifocal, Mild
Chronic, Diffuse, Mild
Multiple
Cystic, Multifocal, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 243 **TRT#:** 9 **SEX:** Female **DAY ON TEST:** 728
DOSE: 210 UG/ KG **DISP:** Dead **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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 - Mandibular
Nose	Ovary	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Clitoral Gland	Parathyroid Gland
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OBSERVATIONS

Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney	Renal Tubule	Carcinoma	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Moderate
	Epithelium, Renal Tubule	Hyperplasia	Focal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Mild
	Epithelium, Renal Tubule	Proliferation	Multifocal, Mild
Note: CARCINOMA	TGLs = 4-14		
Liver		Necrosis	Acute, Marked
Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Multifocal, Marked
Note: FIBROADENOMA	TGLs = 1-12,2-13,3-11		
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 5-7		
Spleen	Red Pulp	Hematopoietic Cell Proliferation	Diffuse, Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: COD, MULTIPLE LARGE MAMMARY TUMORS, AND A PITUITARY TUMOR

Animal Note: ALL MASSES LISTED FOR SKIN ARE MAMMARY TUMORS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 244

TRT#: 9

SEX: Female

DAY ON TEST: 520

DOSE: 210 UG/ KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Ovary
Skin
Thymus
Uterus

Bone
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Pancreas
Spleen
Thyroid Gland

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

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

OBSERVATIONS

Adrenal Gland
Heart
Kidney

Liver

Lung
Mammary Gland
Pituitary Gland

Cortex

Epithelium, Renal Tubule
Epithelium, Renal Tubule

Interstitialium

Pars Distalis

Necrosis
Degeneration
Degeneration
Karyomegaly
Nephropathy
Basophilic Focus
Inflammation
Inflammation
Hyperplasia
Adenoma

Acute, Moderate
Chronic, Multifocal, Moderate
Multifocal, Mild
Multifocal, Mild
Chronic, Diffuse, Minimal
Multiple
Chronic Active, Multifocal, Mild
Chronic Active, Multifocal, Minimal
Cystic, Multifocal, Moderate

Note: ADENOMA TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

Animal Note: REASON FOR MORIBUND SACRIFICE UNDETERMINED

Animal Note: TGL2-6, BROWN JEJUNUM FOCI NOT APPARENT ON MICRO

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 245

TRT#: 9

SEX: Female

DAY ON TEST: 728

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	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 - Mandibular	Nose
Ovary	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
Clitoral Gland		Hyperplasia	Mild
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney	Renal Tubule	Adenoma	Multiple
	Epithelium, Renal Tubule	Degeneration	Multifocal, Moderate
	Epithelium, Renal Tubule	Hyperplasia	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Marked
	Epithelium, Renal Tubule	Proliferation	Multifocal, Mild
Liver		Basophilic Focus	Multiple
		Cytoplasmic Alteration	Focal, Mild
	Bile Duct	Hyperplasia	Multifocal, Mild
Note: CYTOPLAS ALTER TGLs = 3-11			
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Multifocal, Mild
Note: FIBROADENOMA TGLs = 1-12			
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2-7			
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-12, SKIN MASS IS MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 245

TRT#: 9

SEX: Female

DAY ON TEST: 728

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 246

TRT#: 9

SEX: Female

DAY ON TEST: 568

DOSE: 210 UG/ KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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	Nose	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

MISSING

Parathyroid Gland

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney	Epithelium, Renal Tubule	Cytoplasmic Alteration	Focal, Mild
	Epithelium, Renal Tubule	Degeneration	Multifocal, Moderate
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
Liver		Nephropathy	Chronic, Diffuse, Moderate
	Periportal	Fibrosis	Chronic, Multifocal, Moderate
	Bile Duct	Hyperplasia	Multifocal, Moderate
Lung		Leukemia Mononuclear	
	Perivascular	Edema	Acute, Moderate
	Interstitial	Inflammation	Chronic Active, Multifocal, Mild
Lymph Node		Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Ovary		Edema	Diffuse, Marked
Pancreas	Acinus	Atrophy	Marked
Spleen		Edema	Diffuse, Marked
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 246

TRT#: 9

SEX: Female

DAY ON TEST: 568

DOSE: 210 UG/ KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: EDEMA TGLs = 1-11

Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC. DUE TO EDEMA AND LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 247

TRT#: 9

SEX: Female

DAY ON TEST: 728

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Esophagus	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 - Mandibular	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Medulla	Hyperplasia	Mild
Bone	Femur	Osteopetrosis	Mild
Clitoral Gland		Adenoma	
Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney		Cyst	
	Epithelium, Renal Tubule	Cytoplasmic Alteration	Focal, Mild
	Epithelium, Renal Tubule	Degeneration	Multifocal, Moderate
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Mild
[Cyst TGLS = 2-1]			
Liver		Basophilic Focus	Multiple
		Regeneration	Focal, Moderate
Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Multifocal, Marked
Note: FIBROADENOMA	TGLs = 3-11,4-12		
Nose	Lumen	Foreign Body	Moderate
	Mucosa	Inflammation	Acute, Multifocal, Mild
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST	TGLs = 1-7		

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL3-11,4-12, SKIN MASSES ARE MAMMARY TUMORS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 247

TRT#: 9

SEX: Female

DAY ON TEST: 728

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 248

TRT#: 9

SEX: Female

DAY ON TEST: 721

DOSE: 210 UG/ KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	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
Lung	Lymph Node - Mandibular	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
	Medulla	Pheochromocytoma Benign	
Brain	Ventricle	Hydrocephalus	Mild
Eye	Retina	Atrophy	Diffuse, Marked
	Lens	Cataract	Moderate
Note: CATARACT	TGLs = 1-11		
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Cyst	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Moderate
	Epithelium, Renal Tubule	Hyperplasia	Focal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Mild
	Epithelium, Renal Tubule	Proliferation	Focal, Mild
Liver		Basophilic Focus	Multiple
	Periportal	Vacuolization Cytoplasmic	Diffuse, Mild
Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Multifocal, Marked
Note: FIBROADENOMA	TGLs = 2-12,3-13		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 4-7		
Thyroid Gland	C Cell	Adenoma	
Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 248

TRT#: 9

SEX: Female

DAY ON TEST: 721

DOSE: 210 UG/ KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL2-12,3-13, SKIN MASSES ARE MAMMARY TUMORS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 249

TRT#: 9

SEX: Female

DAY ON TEST: 713

DOSE: 210 UG/ KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Esophagus
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 - Mandibular	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Clitoral Gland

OBSERVATIONS

Adrenal Gland	Cortex	Necrosis	Acute, Mild
Brain		Compression	Moderate
Eye	Retina	Atrophy	Diffuse, Marked
	Lens	Cataract	Marked
Note: CATARACT	TGLs = 1-8		
Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney	Epithelium, Renal Tubule	Degeneration	Multifocal, Moderate
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
Liver		Basophilic Focus	Multiple
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Multifocal, Moderate
Note: HYPERPLASIA	TGLs = 4-8		
Mammary Gland		Fibroadenoma	Multiple
Note: FIBROADENOMA	TGLs = 2-10,3-9		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 5-6		

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL3-9 CLITORAL GLAND MASS IS REALLY MAMMARY TUMOR

Animal Note: COD PITUITARY AND MAMMARY TUMORS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 250

TRT#: 9

SEX: Female

DAY ON TEST: 728

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

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	Islets, Pancreatic	Lymph Node - Mandibular	Nose
Ovary	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney	Epithelium, Renal Tubule	Degeneration	Multifocal, Moderate
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
Liver	Epithelium, Renal Tubule	Nephropathy	Chronic, Diffuse, Moderate
		Proliferation	Multifocal, Mild
		Basophilic Focus	Multiple
		Cytoplasmic Alteration	Focal, Mild
		Inflammation	Chronic Active, Multifocal, Moderate
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Moderate
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Multifocal, Moderate
Note: FIBROADENOMA TGLs = 1-11			
Pancreas	Acinus	Adenoma	
	Duct	Ectasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2-7			
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11 SKIN MASS IS MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 251

TRT#: 9

SEX: Female

DAY ON TEST: 728

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Parathyroid Gland
Stomach - Glandular
Uterus

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

Bone Marrow
Harderian Gland
Intestine Small - Duodenum
Lymph Node - Mandibular
Skin
Trachea

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Ovary
Spleen
Urinary Bladder

OBSERVATIONS

Adrenal Gland
Heart
Kidney

Medulla

Epithelium, Renal Tubule
Epithelium, Renal Tubule

Hyperplasia
Degeneration
Cyst
Degeneration
Karyomegaly
Nephropathy

Mild
Chronic, Multifocal, Mild

Multifocal, Moderate
Multifocal, Mild
Chronic, Diffuse, Mild

[Nephropathy TGLS = 3-1]

Liver

Lung
Mammary Gland

Bile Duct
Interstitialium

Basophilic Focus
Hyperplasia
Inflammation
Fibroadenoma
Hyperplasia

Multiple
Multifocal, Mild
Chronic Active, Multifocal, Mild

Cystic, Multifocal, Marked

Note: FIBROADENOMA TGLs = 2-11

Nose

Pancreas
Pituitary Gland

Lumen
Mucosa
Acinus
Pars Distalis
Pars Distalis

Foreign Body
Inflammation
Atrophy
Adenoma
Cyst

Moderate
Acute, Multifocal, Moderate
Mild

Note: CYST TGLs = 1-7

Stomach

Forestomach
Forestomach

Inflammation
Ulcer

Chronic Active, Marked
Marked

Note: INFLAMMATION TGLs = 4-12

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 251	TRT#: 9	SEX: Female	DAY ON TEST: 728
	DOSE: 210 UG/ KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland	C Cell	Hyperplasia	Mild
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PRIMARY CAUSE OF DEATH

-

Animal Note: TGL2-11 SKIN MASS IS MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 252

TRT#: 9

SEX: Female

DAY ON TEST: 728

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lung
Lymph Node - Mandibular	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Trachea	Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Heart		Degeneration	Chronic, Multifocal, Mild
Kidney	Renal Tubule	Adenoma	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Moderate
	Epithelium, Renal Tubule	Hyperplasia	Focal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Mild
Liver	Epithelium, Renal Tubule	Proliferation	Focal, Mild
		Basophilic Focus	Multiple
		Inflammation	Chronic Active, Multifocal, Mild
		Hyperplasia	Cystic, Multifocal, Moderate
Mammary Gland			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 1-7		
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Multifocal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 253

TRT#: 9

SEX: Female

DAY ON TEST: 728

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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 - Mandibular
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney		Cyst	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Moderate
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Mild
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Mild
Lung	Alveolar Epith	Hyperplasia	Moderate
	Interstitium	Inflammation	Chronic Active, Multifocal, Moderate
Note: HYPERPLASIA TGLs = 3-2			
Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Multifocal, Moderate
Note: FIBROADENOMA TGLs = 1-12,2-11			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 4-5			

PRIMARY CAUSE OF DEATH -

Animal Note: TGL1-12,2-11 SKIN MASSES ARE MAMMARY TUMORS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 254

TRT#: 9

SEX: Female

DAY ON TEST: 400

DOSE: 210 UG/ KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Esophagus

Harderian Gland

Intestine Large - Cecum

Intestine Small - Duodenum

Intestine Small - Jejunum

Islets, Pancreatic

Lung

Lymph Node - Mandibular

Nose

Ovary

Pancreas

Parathyroid Gland

Pituitary Gland

Salivary Glands

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

Urinary Bladder

Uterus

MISSING

Mammary Gland

AUTO PRECLUDES DIAG.

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Ileum

OBSERVATIONS

Clitoral Gland

Inflammation

Chronic Active, Mild

Heart

Degeneration

Chronic, Multifocal, Mild

Kidney

Epithelium, Renal Tubule

Degeneration

Multifocal, Mild

Epithelium, Renal Tubule

Karyomegaly

Multifocal, Mild

Liver

Basophilic Focus

Multiple

PRIMARY CAUSE OF DEATH

-

Animal Note: COD DUE TO UNDETERMINED CAUSE

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 255

TRT#: 9

SEX: Female

DAY ON TEST: 729

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	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 - Mandibular	Nose
Ovary	Pancreas	Parathyroid Gland	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Clitoral Gland		Inflammation	Chronic Active, Mild
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney	Renal Tubule	Adenoma	Multiple
		Cyst	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Moderate
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Mild
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Multifocal, Moderate
[Fibroadenoma TGLS = 1-11]			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Moderate
Salivary Glands	Acinus	Atrophy	Focal, Mild
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11 SKIN MASS IS MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 256

TRT#: 9

SEX: Female

DAY ON TEST: 729

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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 - Mandibular
Nose	Ovary	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Clitoral Gland		Adenoma	
	Duct	Cyst	
		Inflammation	Chronic Active, Moderate
Note: ADENOMA	TGLs = 3-10		
Note: CYST	TGLs = 3-10		
Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney	Renal Tubule	Adenoma	
		Cyst	Multiple
	Epithelium, Renal Tubule	Degeneration	Multifocal, Moderate
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Mild
	Epithelium, Renal Tubule	Proliferation	Multifocal, Mild
[Nephropathy TGLS = 4-1]			
Liver		Basophilic Focus	Multiple
Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Multifocal, Moderate
Note: FIBROADENOMA	TGLs = 1-11,2-12		
Pancreas	Acinus	Atrophy	Mild
	Duct	Ectasia	Mild
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Moderate
Note: HYPERPLASIA	TGLs = 5-7		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 256

TRT#: 9

SEX: Female

DAY ON TEST: 729

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

Animal Note: TGL1-11,2-12 SKIN MASSES ARE MAMMARY TUMORS

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 257

TRT#: 9

SEX: Female

DAY ON TEST: 729

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
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 - Mandibular	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Clitoral Gland		Hyperplasia	Mild
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney	Epithelium, Renal Tubule	Degeneration	Multifocal, Moderate
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Minimal
Liver		Basophilic Focus	Multiple
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Multifocal, Marked
Note: FIBROADENOMA TGLs = 1-11			
Pituitary Gland	Pars Distalis	Cyst	

PRIMARY CAUSE OF DEATH -

Animal Note: TGL1-11 SKIN MASS IS MMMRY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 258 **TRT#:** 9 **SEX:** Female **DAY ON TEST:** 729
DOSE: 210 UG/ KG **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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 - Mandibular	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney	Epithelium, Renal Tubule	Cyst	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Moderate
		Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Mild
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Mild
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Marked
Note: INFLAMMATION TGLs = 2-2			
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Multifocal, Marked
Note: FIBROADENOMA TGLs = 1-11			
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Moderate
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: TGL1-11 SKIN MASS IS MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 259

TRT#: 9

SEX: Female

DAY ON TEST: 729

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
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 - Mandibular	Nose	Ovary
Pancreas	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Clitoral Gland		Hyperplasia	Moderate
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Cyst	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Moderate
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Minimal
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Mild
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Minimal
Mammary Gland		Hyperplasia	Cystic, Multifocal, Marked
Note: HYPERPLASIA	TGLs = 2-12		
Parathyroid Gland		Adenoma	
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Skin		Squamous Cell Papilloma	
Note: PAPILLOMA SQUA	TGLs = 1-11		
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL2-12 GROSS SKIN MASS IS CYSTIC HYPERPLASIA OF MAMMARY

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 260

TRT#: 9

SEX: Female

DAY ON TEST: 729

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Ovary
Spleen
Thyroid Gland

Bone
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Parathyroid Gland
Stomach - Forestomach
Trachea

Bone Marrow
Harderian Gland
Intestine Small - Duodenum
Lymph Node - Mandibular
Salivary Glands
Stomach - Glandular
Urinary Bladder

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Nose
Skin
Thymus

OBSERVATIONS

Adrenal Gland
Heart
Kidney

Liver
Lung
Mammary Gland

Medulla

Renal Tubule
Epithelium, Renal Tubule
Epithelium, Renal Tubule
Epithelium, Renal Tubule

Epithelium, Renal Tubule

Interstitialium

Hyperplasia
Degeneration
Adenoma
Degeneration
Hyperplasia
Karyomegaly
Nephropathy
Proliferation
Basophilic Focus
Inflammation
Fibroadenoma
Hyperplasia

Atrophy
Adenoma

Polyp Stromal

Mild
Chronic, Multifocal, Moderate

Multifocal, Moderate
Focal, Mild
Multifocal, Mild
Chronic, Diffuse, Mild
Multifocal, Mild
Multiple
Chronic Active, Multifocal, Mild
Multiple
Cystic, Multifocal, Marked

Mild

Note: FIBROADENOMA TGLs = 1-12,2-11

Pancreas
Pituitary Gland

Acinus
Pars Distalis

Note: ADENOMA TGLs = 3-7

Uterus

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-12,2-11 SKIN MASSES ARE MAMMARY TUMORS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 261

TRT#: 9

SEX: Female

DAY ON TEST: 729

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Esophagus
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 - Mandibular	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
	Medulla	Hyperplasia	Mild
Clitoral Gland	Duct	Hyperplasia	Squamous, Multifocal, Moderate
		Inflammation	Chronic Active, Moderate
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Cyst	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Moderate
	Epithelium, Renal Tubule	Hyperplasia	Focal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Mild
Note: CYST	TGLs = 2-1		
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Mild
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 262

TRT#: 9

SEX: Female

DAY ON TEST: 729

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
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 - Mandibular	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Clitoral Gland		Hyperplasia	Mild
Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney		Cyst	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Moderate
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Moderate
[Cyst TGLS = 1-1]			
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Mild
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Mild
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pituitary Gland	Pars Distalis	Cyst	
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 263

TRT#: 9

SEX: Female

DAY ON TEST: 305

DOSE: 210 UG/ KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Heart	Epicardium	Inflammation	Chronic, Multifocal, Moderate
Kidney	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
Lung		Basosquamous Tumor Malignant	Metastatic (Thymus)
Note: BASOSQU TM MAL TGLs = 2-2,2-3			
Lymph Node	Mediastinal	Basosquamous Tumor Malignant	Metastatic (Thymus)
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Nose	Mucosa	Inflammation	Acute, Multifocal, Mild
Pituitary Gland	Pars Distalis	Cyst	
Thymus		Basosquamous Tumor Malignant	
Note: BASOSQU TM MAL TGLs = 1-2			
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC DUE TO METASTATIC TUMOR IN LUNG FROM THYMUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 264

TRT#: 9

SEX: Female

DAY ON TEST: 730

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Intestine Large	Rectum	Parasite Metazoan	
Kidney		Cyst	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Moderate
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Mild
	Epithelium, Renal Tubule	Proliferation	Focal, Mild
Liver		Basophilic Focus	Multiple
		Cytoplasmic Alteration	Focal, Mild
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Mild
Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Multifocal, Marked
Note: FIBROADENOMA	TGLs = 1-11,2-12		
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Cyst	
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11,2-12 SKIN MASSES ARE MAMMARY TUMORS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 265

TRT#: 9

SEX: Female

DAY ON TEST: 730

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
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 - Mandibular	Nose	Ovary
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Clitoral Gland		Inflammation	Chronic Active, Mild
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Cyst	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Moderate
	Epithelium, Renal Tubule	Hyperplasia	Focal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Mild
	Epithelium, Renal Tubule	Proliferation	Multifocal, Mild
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Mild
Lung	Interstitium	Inflammation	Chronic Active, Multifocal, Minimal
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Multifocal, Moderate
Note: FIBROADENOMA	TGLs = 1-11		
Pancreas	Acinus	Atrophy	Mild
	Duct	Ectasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 2-7		
Thyroid Gland	C Cell	Hyperplasia	Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Multifocal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 265

TRT#: 9

SEX: Female

DAY ON TEST: 730

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11 SKIN MASS IS MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 266

TRT#: 9

SEX: Female

DAY ON TEST: 730

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	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 - Mandibular	Nose
Ovary	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Clitoral Gland		Adenoma	
Note: ADENOMA	TGLs = 2-10		
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Cyst	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Moderate
	Epithelium, Renal Tubule	Hyperplasia	Focal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Mild
	Epithelium, Renal Tubule	Proliferation	Multifocal, Mild
Liver		Basophilic Focus	Multiple
		Inflammation	Chronic Active, Multifocal, Mild
Lung		Foreign Body	Multifocal, Minimal
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Multifocal, Moderate
Note: FIBROADENOMA	TGLs = 1-11		
Pancreas	Acinus	Atrophy	Mild
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11 SKIN MASS IS MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 267

TRT#: 9

SEX: Female

DAY ON TEST: 630

DOSE: 210 UG/ KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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	Lung	Lymph Node - Mandibular
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	Uterus

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Cyst	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Moderate
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Minimal
Liver		Basophilic Focus	Multiple
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Multifocal, Marked
Note: FIBROADENOMA	TGLs = 1-11		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 2-7		
Spleen	Red Pulp	Hematopoietic Cell Proliferation	Diffuse, Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11 SKIN MASS IS MAMMARY TUMOR

Animal Note: MORIBUND SAC DUE TO PITUITARY AND MAMMARY TUMORS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 268

TRT#: 9

SEX: Female

DAY ON TEST: 699

DOSE: 210 UG/ KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	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 - Mandibular	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Cortex	Atrophy	Diffuse, Marked
	Cortex	Carcinoma	
Note: CARCINOMA	TGLs = 2-9		
Clitoral Gland		Carcinoma	
Note: CARCINOMA	TGLs = 1-8		
Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney	Epithelium, Renal Tubule	Degeneration	Multifocal, Moderate
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Mild
Liver		Basophilic Focus	Multiple
Mammary Gland		Hyperplasia	Cystic, Multifocal, Marked
Nose	Mucosa	Inflammation	Acute, Multifocal, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 3-6		
Spleen	Red Pulp	Hematopoietic Cell Proliferation	Diffuse, Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: COD< ADRENAL AND CLITORAL GLAND CARCINOMAS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 269

TRT#: 9

SEX: Female

DAY ON TEST: 730

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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	Lung	Lymph Node - Mandibular
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Moderate
	Cortex	Hyperplasia	Mild
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Cyst	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Moderate
	Epithelium, Renal Tubule	Hyperplasia	Focal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Minimal
[Cyst TGLS = 5-1]			
Liver		Basophilic Focus	Multiple
Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Multifocal, Moderate
Note: FIBROADENOMA TGLs = 1-11,2-12			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
Note: CYST TGLs = 6-7			
Note: ADENOMA TGLs = 6-7			
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC TGLs = 3-13			
Uterus		Polyp Stromal	
Note: POLYP STROMAL TGLs = 4-14			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 269

TRT#: 9

SEX: Female

DAY ON TEST: 730

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: TGL1-11,2-12 SKIN MASSES ARE MAMMARY TUMORS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 270

TRT#: 9

SEX: Female

DAY ON TEST: 730

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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 - Mandibular	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder	Uterus	

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Cortex	Hypertrophy	Mild
Eye	Retina	Atrophy	Diffuse, Marked
	Lens	Cataract	Moderate
Note: CATARACT	TGLs = 1-11		
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney	Epithelium, Renal Tubule	Degeneration	Multifocal, Moderate
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Minimal
Liver	Epithelium, Renal Tubule	Proliferation	Multifocal, Mild
		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Mild
Lung	Alveolar Epith	Hyperplasia	Mild
	Interstitium	Inflammation	Chronic Active, Multifocal, Minimal
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Multifocal, Marked
Note: FIBROADENOMA	TGLs = 3-12		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 2-7		
Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 270

TRT#: 9

SEX: Female

DAY ON TEST: 730

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL3-12 SKIN MASS IS MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 271

TRT#: 9

SEX: Female

DAY ON TEST: 436

DOSE: 210 UG/ KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Lymph Node - Mandibular	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Uterus	

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
Kidney	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Pelvis	Hyperplasia	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Minimal
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Thyroid Gland	C Cell	Hyperplasia	Mild
Urinary Bladder	Mucosa	Hyperplasia	Diffuse, Moderate

Note: HYPERPLASIA TGLs = 2-6

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-1 SPLEEN IS WITHIN NORMAL LIMITS ON MICRO

Animal Note: MORIBUND SAC. DUE TO URINARY TRACT OBSTRUCTION

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 272

TRT#: 9

SEX: Female

DAY ON TEST: 730

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Ovary
Skin
Thymus

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

Bone
Harderian Gland
Intestine Small - Duodenum
Lymph Node - Mandibular
Parathyroid Gland
Stomach - Forestomach
Urinary Bladder

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

OBSERVATIONS

Clitoral Gland
Heart
Kidney

Hyperplasia
Degeneration
Cyst

Mild
Chronic, Multifocal, Mild

Epithelium, Renal Tubule
Epithelium, Renal Tubule

Degeneration
Karyomegaly

Multifocal, Moderate
Multifocal, Mild

[Cyst TGLS = 1-1]

Liver

Basophilic Focus
Inflammation

Multiple
Chronic Active, Multifocal, Mild

Lung

Interstitialium

Inflammation

Chronic Active, Multifocal, Minimal

Mammary Gland

Hyperplasia

Cystic, Multifocal, Moderate

Pituitary Gland

Pars Distalis

Hyperplasia

Moderate

Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 273

TRT#: 9

SEX: Female

DAY ON TEST: 626

DOSE: 210 UG/ KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Harderian Gland	Islets, Pancreatic
Lymph Node - Mandibular	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Thymus
Trachea	Urinary Bladder	Uterus	

MISSING

Intestine Large	Intestine Small	Stomach
-----------------	-----------------	---------

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Cyst	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Moderate
	Epithelium, Renal Tubule	Hyperplasia	Focal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Minimal
Note: CYST TGLs = 2-1			
Liver		Basophilic Focus	Multiple
Lung	Interstitium	Inflammation	Chronic Active, Multifocal, Minimal
Mammary Gland		Adenocarcinoma	
		Hyperplasia	Cystic, Multifocal, Mild
Note: ADENOCARC TGLs = 1-11			
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
Spleen	Red Pulp	Hematopoietic Cell Proliferation	Diffuse, Moderate
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC. DUE TO MAMMARY GLAND ADENOCARCINOMA

Animal Note: TGL1-11 SKIN MASS IS MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 274

TRT#: 9

SEX: Female

DAY ON TEST: 730

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

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	Islets, Pancreatic	Lymph Node - Mandibular	Ovary
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney		Cyst	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Moderate
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Mild
[Nephropathy TGLS = 2-1]			
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Mild
Lung	Alveolar Epith	Hyperplasia	Moderate
	Interstitium	Inflammation	Chronic Active, Multifocal, Moderate
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Nose	Lumen	Foreign Body	Mild
	Mucosa	Inflammation	Chronic Active, Multifocal, Mild
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Uterus		Polyp Stromal	Multiple

Note: POLYP STROMAL TGLs = 1-10

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-10, STROMAL POLYPS ARE NECROTIC

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 275 **TRT#:** 9 **SEX:** Female **DAY ON TEST:** 520
DOSE: 210 UG/ KG **DISP:** Dead **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Necrosis	Acute, Marked
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Mild
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: POSSIBLE COD, ACUTE ADRENAL CORTICAL NECROSIS

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 276

TRT#: 9

SEX: Female

DAY ON TEST: 730

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Clitoral Gland	Parathyroid Gland
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OBSERVATIONS

Kidney	Epithelium, Renal Tubule	Karyomegaly Nephropathy	Multifocal, Mild Chronic, Diffuse, Minimal
	Epithelium, Renal Tubule	Proliferation	Focal, Mild
Liver		Basophilic Focus	Multiple
		Inflammation	Chronic Active, Multifocal, Mild
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Mild
Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Multifocal, Moderate
Note: FIBROADENOMA TGLs = 1-11,2-12			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Note: HYPERPLASIA TGLs = 3-7			
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11,2-12, SKIN MASSES ARE MAMMARY TUMORS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 277

TRT#: 9

SEX: Female

DAY ON TEST: 659

DOSE: 210 UG/ KG

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	Lymph Node - Mandibular	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex Medulla	Degeneration Hyperplasia	Fatty, Mild Mild
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney	Epithelium, Renal Tubule Epithelium, Renal Tubule	Degeneration Karyomegaly Nephropathy	Multifocal, Marked Multifocal, Mild Chronic, Diffuse, Mild
Liver	Epithelium, Renal Tubule	Proliferation Basophilic Focus	Focal, Mild Multiple
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Minimal
Mammary Gland		Fibroadenoma Hyperplasia	Multiple Cystic, Multifocal, Marked
Note: FIBROADENOMA TGLs = 1-11 Note: HYPERPLASIA TGLs = 2-12			
Nose	Lumen	Foreign Body	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Note: HYPERPLASIA TGLs = 3-7			
Thyroid Gland	C Cell	Adenoma	
Uterus		Polyp Stromal	
Note: POLYP STROMAL TGLs = 4-10			

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL3-7, RED OVARIAN PIGMENT NOT SIGNIFICANT ON MICRO

Animal Note: TGL6-13, LIVER NODULE IS HIATAL STRESS TYPE NO TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 277

TRT#: 9

SEX: Female

DAY ON TEST: 659

DOSE: 210 UG/ KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: TGL1-11, SKIN MASS IS MAMMARY TUMOR

Animal Note: TGL2-12, SKIN MASS IS MARKED CYSTIC HYPERPLASIA FO MAMMARY

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 278 **TRT#:** 9 **SEX:** Female **DAY ON TEST:** 730
DOSE: 210 UG/ KG **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Intestine Large	Rectum	Parasite Metazoan	
Kidney		Cyst	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Moderate
	Epithelium, Renal Tubule	Hyperplasia	Focal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Minimal
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Mild
Lung		Alveolar/Bronchiolar Adenoma	
	Interstitialium	Inflammation	Chronic Active, Multifocal, Minimal
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild
Nose	Lumen	Foreign Body	Mild
Ovary	Follicle	Cyst	
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Cyst	
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Multifocal, Moderate

Note: HYPERPLASIA TGLs = 1-10

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 279

TRT#: 9

SEX: Female

DAY ON TEST: 731

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	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 - Mandibular	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Clitoral Gland		Inflammation	Chronic Active, Mild
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Cyst	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Moderate
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Minimal
Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Marked
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Multifocal, Marked
Note: FIBROADENOMA	TGLs = 1-11		
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11, SKIN MASS IS MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 280

TRT#: 9

SEX: Female

DAY ON TEST: 731

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	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 - Mandibular	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Clitoral Gland		Hyperplasia	Mild
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney	Epithelium, Renal Tubule	Cyst	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Hyperplasia	Focal, Mild
		Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Minimal
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Multifocal, Marked
Note: FIBROADENOMA	TGLs = 1-11		
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11, SKIN MASS IS MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 281

TRT#: 9

SEX: Female

DAY ON TEST: 731

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Harderian Gland	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Ovary	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Clitoral Gland		Hyperplasia	Moderate
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney	Renal Tubule	Carcinoma	
		Cyst	Multiple
	Epithelium, Renal Tubule	Degeneration	Multifocal, Moderate
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Mild
Note: CYST TGLs = 3-1			
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
Mammary Gland		Adenocarcinoma	
		Hyperplasia	Cystic, Multifocal, Marked
Note: ADENOCARC TGLs = 1-11			
Nose	Mucosa	Inflammation	Acute, Multifocal, Mild
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2-7			
Spleen		Leukemia Mononuclear	
Thymus		Thymoma Benign	
Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 281

TRT#: 9

SEX: Female

DAY ON TEST: 731

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11, SKIN MASS IS MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 282

TRT#: 9

SEX: Female

DAY ON TEST: 645

DOSE: 210 UG/ KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Kidney	Epithelium, Renal Tubule	Cyst	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Moderate
		Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Minimal
Note: CYST	TGLs = 4-1		
Liver		Basophilic Focus	Multiple
Lung		Foreign Body	Multifocal, Mild
	Interstitialium	Inflammation	Chronic Active, Multifocal, Mild
Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Multifocal, Moderate
Note: FIBROADENOMA	TGLs = 3-12		
Mesentery		Inflammation	Chronic Active, Marked
Note: INFLAMMATION	TGLs = 5-13		
Ovary	Follicle	Cyst	
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Note: HYPERPLASIA	TGLs = 2-7		
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC	TGLs = 1-11		
Spleen	Red Pulp	Hematopoietic Cell Proliferation	Diffuse, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 282

TRT#: 9

SEX: Female

DAY ON TEST: 645

DOSE: 210 UG/ KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland	C Cell	Hyperplasia	Mild
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PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SACRIFICE DUE TO TUMORS AND POOR CONDITION

Animal Note: TGL3-12, SKIN MASS IS MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 283

TRT#: 9

SEX: Female

DAY ON TEST: 731

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Pancreas
Spleen
Thyroid Gland

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

Bone
Harderian Gland
Intestine Small - Duodenum
Lung
Salivary Glands
Stomach - Glandular
Urinary Bladder

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Skin
Thymus
Uterus

OBSERVATIONS

Brain
Heart
Kidney

Liver
Mammary Gland
Nose

Ovary
Note: CYST TGLs = 2-10
Pituitary Gland
Note: ADENOMA TGLs = 1-7

Epithelium, Renal Tubule
Epithelium, Renal Tubule

Epithelium, Renal Tubule

Lumen
Mucosa
Periovarn Tiss

Pars Distalis

Compression
Degeneration
Cyst
Degeneration
Karyomegaly
Nephropathy
Proliferation
Basophilic Focus
Hyperplasia
Foreign Body
Inflammation
Cyst

Adenoma

Mild
Chronic, Multifocal, Mild

Multifocal, Moderate
Multifocal, Mild
Chronic, Diffuse, Minimal
Focal, Mild
Multiple
Cystic, Multifocal, Moderate
Mild
Chronic Active, Multifocal, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 284

TRT#: 9

SEX: Female

DAY ON TEST: 731

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
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 - Mandibular	Nose	Ovary
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Clitoral Gland		Hyperplasia	Mild
Heart		Degeneration	Chronic, Multifocal, Moderate
Kidney		Cyst	Multiple
	Epithelium, Renal Tubule	Degeneration	Multifocal, Moderate
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Mild
[Cyst TGLS = 1-1]			
Liver		Basophilic Focus	Multiple
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Moderate
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	

Note: ADENOMA TGLs = 2-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 285

TRT#: 9

DOSE: 210 UG/ KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	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	Lung	Lymph Node - Mandibular	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder	Uterus	

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Cortex	Hyperplasia	Mild
Bone Marrow	Femoral	Hyperplasia	Reticulum Cell, Marked
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney	Renal Tubule	Carcinoma	
		Cyst	Multiple
	Epithelium, Renal Tubule	Degeneration	Multifocal, Moderate
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Moderate
	Epithelium, Renal Tubule	Proliferation	Multifocal, Mild
Liver		Basophilic Focus	Multiple
		Cytoplasmic Alteration	Multifocal, Mild
	Bile Duct	Hyperplasia	Multifocal, Moderate
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Multifocal, Moderate
Note: FIBROADENOMA	TGLs = 1-11		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 2-7		
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 285

TRT#: 9

SEX: Female

DAY ON TEST: 731

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: TGL1-11, SKIN MASS IS MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 286

TRT#: 9

SEX: Female

DAY ON TEST: 731

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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 - Mandibular	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Cortex	Hyperplasia	Mild
Heart		Degeneration	Chronic, Multifocal, Mild
Kidney		Cyst	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Moderate
	Epithelium, Pelvis	Hyperplasia	Multifocal, Moderate
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Moderate
Note: HYPERPLASIA TGLs = 3-12 [Nephropathy TGLS = 3-12]			
Liver		Basophilic Focus	Multiple
Lung	Alveolar Epith	Hyperplasia	Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Multifocal, Moderate
Note: FIBROADENOMA TGLs = 2-11			
Nose	Nasolacrim Dct	Inflammation	Acute, Multifocal, Mild
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Moderate
Note: CYST TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL2-11, SKIN MASS IS MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 287

TRT#: 9

SEX: Female

DAY ON TEST: 560

DOSE: 210 UG/ KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Brain		Compression	Mild
	Ventricle	Hydrocephalus	Mild
Heart		Degeneration	Chronic, Multifocal, Mild
Intestine Large	Colon	Parasite Metazoan	
Kidney		Cyst	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Moderate
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Mild
Liver		Basophilic Focus	Multiple
		Inflammation	Chronic Active, Multifocal, Mild
Mammary Gland		Hyperplasia	Cystic, Multifocal, Marked
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 1-7		
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

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Animal Note: MORIBUND SACRIFICE DUE TO PITUITARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 288

TRT#: 9

SEX: Female

DAY ON TEST: 415

DOSE: 210 UG/ KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland Note: PHEOCHROM BGN TGLs = 2-7	Medulla	Pheochromocytoma Benign	
Kidney	Epithelium, Renal Tubule Epithelium, Renal Tubule	Degeneration Karyomegaly Nephropathy	Multifocal, Moderate Multifocal, Mild Chronic, Diffuse, Mild
Liver		Basophilic Focus	Multiple
Lung	Interstitialium	Inflammation	Chronic Active, Multifocal, Minimal
Mammary Gland		Hyperplasia	Cystic, Multifocal, Mild

PRIMARY CAUSE OF DEATH

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Animal Note: MORIBUND SACRIFICE DUE TO UNDETERMINED CAUSES

Animal Note: TGL1-4, LIVER NODULE IS HIATAL STRESS TYPE, NO TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ochratoxin A

CAS Number: 303-47-9

Date Report Requested: 10/20/2014

Time Report Requested: 17:52:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 289

TRT#: 9

SEX: Female

DAY ON TEST: 731

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
Kidney	Epithelium, Renal Tubule	Degeneration	Multifocal, Mild
	Epithelium, Renal Tubule	Hyperplasia	Focal, Mild
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
Liver		Nephropathy	Chronic, Diffuse, Mild
		Basophilic Focus	Multiple
		Cytoplasmic Alteration	Focal, Mild
		Inflammation	Chronic Active, Multifocal, Mild
		Fibroadenoma	Multiple
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
	Note: FIBROADENOMA TGLs = 2-11,3-12		
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-7			
Thyroid Gland	Bilateral, C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

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Animal Note: TGL2-11,3-12,SKIN MASSES ARE MAMMARY TUMORS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05036-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ochratoxin A
CAS Number: 303-47-9

Date Report Requested: 10/20/2014
Time Report Requested: 17:52:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 290

TRT#: 9

SEX: Female

DAY ON TEST: 731

DOSE: 210 UG/ KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Nose	Ovary
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

MISSING

Intestine Large - Rectum

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
Kidney		Cyst	
	Epithelium, Renal Tubule	Degeneration	Multifocal, Moderate
	Epithelium, Renal Tubule	Karyomegaly	Multifocal, Mild
		Nephropathy	Chronic, Diffuse, Mild
Note: CYST	TGLs = 1-1		
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Moderate
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Multifocal, Moderate
Pancreas	Acinus	Focal Cellular Change	
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
Spleen		Leukemia Mononuclear	
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

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**** END OF REPORT ****

* PROTOCOL REQUIRED TISSUE