

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

C Number:	C07103B
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	05/02/1991

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 1	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860581

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Harderian Gland		Adenoma	
Note: [ADENOMA] TGLs = 4-18			
Liver		Hepatocellular Carcinoma	
Note: [HEPATOCLR CARC] TGLs = 2-13			
Lung		Hepatocellular Carcinoma	Metastatic (Uncertain Primary Site)
Preputial Gland	Duct	Dilatation	Marked
Note: [DILATATION] TGLs = 1-16			
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Stomach	Forestomach	Hyperplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 2	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860582

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Minimal
Kidney	Cortex	Cyst Multilocular	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 3	TRT#: 1	SEX: Male	DAY ON TEST: 716
	DOSE: VEHICLE CONTROL	DISP: Dead	HISTO: 860583

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

AUTO PRECLUDES DIAG.

Gallbladder	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Jejunum	Stomach - Glandular	

OBSERVATIONS

Intestine Small [Hemorrhage TGLS = 6-6]	Ileum	Hemorrhage	Moderate
Kidney	Renal Tubule	Necrosis	Coagulative, Moderate
Liver Note: [HEPATOCLR ADEN] TGLs = 3-2		Hepatocellular Adenoma	Multiple
Lung [Alveolar/Bronchiolar Adenoma TGLS = 5-12] [Alveolar/Bronchiolar Carcinoma TGLS = 4-11]		Alveolar/Bronchiolar Adenoma Alveolar/Bronchiolar Carcinoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 4	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860584

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Minimal
Bone	Metacarpal	Inflammation	Chronic, Moderate
Note: [INFLAMMATION] TGLs = 2-13			
Preputial Gland	Duct	Dilatation	Marked
Note: [DILATATION] TGLs = 1-12			
Seminal Vesicle		Fibrosis	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 5	TRT#: 1	SEX: Male	DAY ON TEST: 734
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860585

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Liver	Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 3-2]		
Lung	Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 4,5-12]		
Spleen	Congestion	Mild
[Congestion TGLS = 2-2]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 6 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 730
DOSE: VEHICLE CONTROL **DISP:** Terminal Sacrifice **HISTO:** 860586

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Intestine Small Note: [HYPERPLASIA] TGLs = 1-18	Ileum	Hyperplasia	Lymphoid, Marked
Liver Note: [HEPATOCLR ADEN] TGLs = 4-19 Note: [HEPATOCLR ADEN] TGLs = 6-13 [Hepatocellular Adenoma TGLS = 7-14] [Hepatocellular Carcinoma TGLS = 5-12]		Hepatocellular Adenoma Hepatocellular Carcinoma Mixed Cell Focus	Multiple Mild
Lymph Node [Hyperplasia TGLS = 3-15]	Mesenteric	Hyperplasia	Lymphoid, Mild
Mesentery Note: [INFLAMMATION] TGLs = 1-18 Note: [NECROSIS] TGLs = 2-19	Fat Fat	Inflammation Necrosis	Chronic, Moderate Liquifactive, Marked
Spleen Note: [ANGIECTASIS] TGLs = 8-2		Amyloid Deposition Angiectasis	Mild Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 6	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860586

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [AMYLOID DEP] TGLs = 8-2

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 7	TRT#: 1	SEX: Male	DAY ON TEST: 456
	DOSE: VEHICLE CONTROL	DISP: Interval Sacrifice	HISTO: 860587

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Intestine Large - Rectum	Mammary Gland	Thyroid Gland
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OBSERVATIONS

Liver	Fatty Change	Moderate
	Vacuolization Cytoplasmic	Moderate
Prostate	Infiltration Cellular	Lymphocyte, Mild
Urinary Bladder	Infiltration Cellular	Lymphocyte, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 8	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860588

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Heart		Infiltration Cellular	Lymphocyte, Minimal
Kidney	Renal Tubule	Mineralization	Minimal
Liver		Hepatocellular Adenoma	

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 9	TRT#: 1	SEX: Male	DAY ON TEST: 733
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860589

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Pituitary Gland
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OBSERVATIONS

Kidney	Nephropathy	Minimal
Liver	Hepatocellular Adenoma	

Note: [HEPATOCLR ADEN] TGLs = 1-11

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 10	TRT#: 1	SEX: Male	DAY ON TEST: 734
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860590

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Liver		Hepatocellular Adenoma	Multiple
Lymph Node	Mesenteric	Congestion	Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 11	TRT#: 1	SEX: Male	DAY ON TEST: 734
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860591

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Liver		Basophilic Focus	Mild
Skin		Alopecia	Mild
Note: [ALOPECIA] TGLs = 1-11			
Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 860592

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mandibular	Mammary Gland
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OBSERVATIONS

Intestine Small Note: [ADENOCARC] TGLs = 6-15	Jejunum	Adenocarcinoma	
Liver Note: [HEPATOCLR ADEN] TGLs = 3-12 Note: [HEPATOCLR ADEN] TGLs = 4-13 Note: [HEPATOCLR ADEN] TGLs = 2-11		Hepatocellular Adenoma	Multiple
Lung Lymph Node Note: [HYPERPLASIA] TGLs = 5-14	Alveolar Epith Mediastinal Mesenteric	Hyperplasia Hyperplasia Hyperplasia	Moderate Lymphoid, Moderate Lymphoid, Moderate
Spleen Note: [HEMA CL PR ERY] TGLs = 1-5 Note: [HYPERPLASIA] TGLs = 1-5		Hematopoietic Cell Proliferation Erythrocytic Hyperplasia	Moderate Lymphoid, Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 860593

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Gallbladder	Mammary Gland	Parathyroid Gland
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INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Kidney		Nephropathy	Mild
Liver		Hepatocellular Carcinoma	
		Mixed Cell Focus	Mild
Note: [MIXED CL FOCUS] TGLs = 4-14			
Lymph Node	Mesenteric	Inflammation	Granulomatous, Moderate
Mesentery		Inflammation	Granulomatous, Marked
Note: [INFLAMMATION] TGLs = 2-15			
Pancreas		Inflammation	Granulomatous, Marked
Preputial Gland	Duct	Dilatation	Marked
Note: [DILATATION] TGLs = 1-11			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 860594

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Pituitary Gland
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OBSERVATIONS

Kidney		Nephropathy	Minimal
Liver		Eosinophilic Focus	Moderate
		Hepatocellular Adenoma	
		Vacuolization Cytoplasmic	Mild
Mesentery	Fat	Necrosis	Coagulative, Moderate
Note: [NECROSIS] TGLs = 3-11			
Preputial Gland	Duct	Dilatation	Moderate
Note: [DILATATION] TGLs = 1-13			

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 15	TRT#: 1	SEX: Male	DAY ON TEST: 733
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860595

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lacrimal Gland	Mammary Gland
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INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Harderian Gland	Adenoma		
Note: [ADENOMA] TGLs = 1-11			
Liver	Vacuolization Cytoplasmic	Mild	
Lung	Alveolar Epith	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 16	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860596

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Gallbladder	Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Kidney	Nephropathy	Minimal	
Liver	Hepatocellular Adenoma		
	Vacuolization Cytoplasmic	Minimal	
Note: [HEPATOCLR ADEN] TGLs = 2-12			
Lung	Alveolar/Bronchiolar Adenoma		
Note: [ALV BRON ADEN] TGLs = 1-14			
Pituitary Gland	Pars Distalis	Cyst	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 17	TRT#: 1	SEX: Male	DAY ON TEST: 653
	DOSE: VEHICLE CONTROL	DISP: Dead	HISTO: 860597

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Gallbladder	Mammary Gland
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OBSERVATIONS

Liver	Congestion Hepatocellular Carcinoma	Marked
Note: [CONGESTION] TGLs = 2-11 [Congestion TGLS = 1-5,11]		
Lung	Alveolar/Bronchiolar Adenoma	Multiple
Note: [ALV BRON ADEN] TGLs = 3,4-12		
Salivary Glands	Infiltration Cellular	Lymphocyte, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 18	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860598

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Liver		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 2-12			
Note: [HEPATOCLR ADEN] TGLs = 3-15			
Note: [HEPATOCLR ADEN] TGLs = 4,5-5			
Lung		Alveolar/Bronchiolar Adenoma	
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Spleen		Hematopoietic Cell Proliferation Erythrocytic	Moderate
Note: [HEMA CL PR ERY] TGLs = 1-14			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 19	TRT#: 1	SEX: Male	DAY ON TEST: 733
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860599

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Liver		Eosinophilic Focus	Mild
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 1,3,6-5			
Note: [HEPATOCLR ADEN] TGLs = 2-5			
Lung		Alveolar/Bronchiolar Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 21	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860601

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
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	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Nephropathy	Minimal
Note: [NEPHROPATHY] TGLs = 2-8			
Liver		Clear Cell Focus	Mild
Note: [CLEAR CL FOCUS] TGLs = 4,5-5			
Lung	Alveolar Epith	Hyperplasia	Minimal
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Moderate
Note: [HYPERPLASIA] TGLs = 6-7			
Mesentery	Fat	Necrosis	Coagulative, Mild
Note: [NECROSIS] TGLs = 1-11			
Testes	Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 3-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 22	TRT#: 1	SEX: Male	DAY ON TEST: 734
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860602

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Urinary Bladder	Infiltration Cellular	Lymphocyte, Minimal
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PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 23	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860603

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Islets, Pancreatic		Hyperplasia	Moderate
Kidney	Renal Tubule	Adenoma	
Liver		Eosinophilic Focus	Mild
Mesentery	Fat	Necrosis	Coagulative, Marked
Note: [NECROSIS] TGLs = 2-11			
Preputial Gland	Duct	Dilatation	Moderate
Note: [DILATATION] TGLs = 1-12			
Testes		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 24	TRT#: 1	SEX: Male	DAY ON TEST: 733
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860604

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Liver		Hepatocellular Adenoma Hepatocellular Carcinoma	
Note: [HEPATOCLR CARC] TGLs = 1-5 Note: [HEPATOCLR ADEN] TGLs = 3-5			
Preputial Gland	Duct	Dilatation	Marked
Note: [DILATATION] TGLs = 2-11			
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 25	TRT#: 1	SEX: Male	DAY ON TEST: 733
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860605

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Intestine Small Note: [ADENOCARC] TGLs = 2-4	Jejunum	Adenocarcinoma	
Lymph Node	Mesenteric	Inflammation	Suppurative, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Spleen Note: [HEMA CL PR ERY] TGLs = 1-5		Hematopoietic Cell Proliferation Erythrocytic	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 27	TRT#: 1	SEX: Male	DAY ON TEST: 455
	DOSE: VEHICLE CONTROL	DISP: Interval Sacrifice	HISTO: 860607

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Kidney	Pelvis	Infiltration Cellular	Lymphocyte, Mild
Liver		Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 28	TRT#: 1	SEX: Male	DAY ON TEST: 456
	DOSE: VEHICLE CONTROL	DISP: Interval Sacrifice	HISTO: 860608

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Kidney	Pelvis	Infiltration Cellular	Lymphocyte, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 29	TRT#: 1	SEX: Male	DAY ON TEST: 733
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860609

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Clear Cell Focus	Mild
Intestine Large	Cecum	Hyperplasia	Lymphoid, Moderate
Note: [HYPERPLASIA] TGLs = 1-11			
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Spleen		Hyperplasia	Lymphoid, Moderate
Note: [HYPERPLASIA] TGLs = 2-5			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 30 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 726
DOSE: VEHICLE CONTROL **DISP:** Dead **HISTO:** 860610

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Ileum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Pituitary Gland	Prostate	Seminal Vesicle
Skin	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

AUTO PRECLUDES DIAG.

Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Jejunum	Stomach - Glandular
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INSUFFICIENT TISSUE

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Minimal
Kidney		Infiltration Cellular	Lymphocyte, Moderate
Liver		Hepatocellular Adenoma	
		Necrosis	Coagulative, Moderate
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 2-6,11			
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Spleen		Developmental Malformation	
Note: [DEVELOP MALFOR] TGLs = 4-5			
Stomach	Forestomach	Hyperkeratosis	Moderate
Note: [HYPERKERATOSIS] TGLs = 3-12			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 31	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860611

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Kidney		Glomerulosclerosis	Mild
		Infiltration Cellular	Lymphocyte, Moderate
Liver		Hepatocellular Carcinoma	Multiple
Note: [HEPATOCLR CARC] TGLs = 1-5,4-12			
Stomach			
Note: EXTENSIVE INFOLDING AND NOT A LESION			
Note: STOMACH TGL 2 FOUND AT TRIM IS PROBABLY			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 32	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860612

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Gallbladder	Mammary Gland
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OBSERVATIONS

Intestine Large Note: [HYPERPLASIA] TGLs = 3-7	Cecum	Hyperplasia	Lymphoid, Mild
Liver		Clear Cell Focus Hepatocellular Adenoma	Mild
Preputial Gland Note: [HYPERPLASIA] TGLs = 1-14		Hyperplasia	Moderate
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 860613

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Pancreas
Salivary Glands
Stomach - Forestomach
Thyroid Gland

Adrenal Gland - Medulla
Epididymis
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Parathyroid Gland
Seminal Vesicle
Stomach - Glandular
Trachea

Bone
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Pituitary Gland
Skin
Testes
Urinary Bladder

Bone Marrow
Heart
Intestine Small - Duodenum
Kidney
Nose
Prostate
Spleen
Thymus

MISSING

Gallbladder
Mammary Gland

OBSERVATIONS

Liver
Hepatocellular Adenoma

Note: [HEPATOCLR ADEN] TGLs = 1-11

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 680

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO: 860614

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Minimal
Harderian Gland		Adenoma	
Note: [ADENOMA] TGLs = 2-11			
Liver		Clear Cell Focus	Mild
		Hepatocellular Adenoma	
		Mixed Cell Focus	Moderate
Note: [CLEAR CL FOCUS] TGLs = 4-5			
Note: [HEPATOCLR ADEN] TGLs = 3-5			
Lung		Carcinoma	Metastatic (Uncertain Primary Site)
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
Preputial Gland	Duct	Dilatation	Marked
Note: [DILATATION] TGLs = 1-13			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Coumarin

CAS Number: 91-64-5

Date Report Requested: 10/21/2014

Time Report Requested: 16:21:55

First Dose M/F: NA / NA

Lab: AM BIO

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 860616

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Epididymis

Esophagus

Gallbladder

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Kidney

Liver

Lung

Lymph Node - Mandibular

Nose

Pancreas

Parathyroid Gland

Pituitary Gland

Prostate

Seminal Vesicle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Testes

Thymus

Trachea

Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Lymph Node

Mesenteric

Congestion

Mild

Note: [CONGESTION] TGLs = 1-7

Salivary Glands

Infiltration Cellular

Lymphocyte, Mild

Thyroid Gland

Follicular Cel

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 37	TRT#: 1	SEX: Male	DAY ON TEST: 455
	DOSE: VEHICLE CONTROL	DISP: Interval Sacrifice	HISTO: 860617

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mandibular	Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland Note: ADRENAL-"A"CELL HYPERPLASIA.	Spindle Cell	Hyperplasia	Mild
Intestine Small	Ileum, Lymphoid Tiss	Inflammation	Suppurative, Mild
Liver		Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 860618

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Liver		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 4-5			
Note: [HEPATOCLR ADEN] TGLs = 6-11			
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 1-11			
Mesentery	Fat	Inflammation	Suppurative, Marked
	Fat	Necrosis	Coagulative, Marked
Note: [NECROSIS] TGLs = 2-13			
Note: [INFLAMMATION] TGLs = 2-13			
Preputial Gland	Duct	Dilatation	Moderate
Note: [DILATATION] TGLs = 5-12			
Stomach	Forestomach	Squamous Cell Papilloma	
Note: [PAPILOMA SQUA] TGLs = 3-12			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 39	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860619

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Parathyroid Gland	Thymus
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OBSERVATIONS

Kidney	Infiltration Cellular	Lymphocyte, Minimal
Liver	Hepatocellular Adenoma	

Note: [HEPATOCLR ADEN] TGLs = 1-5

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 40	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860620

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Clear Cell Focus	Mild
	Spindle Cell	Hyperplasia	Mild
Kidney		Ectopic Tissue	
Note: ADRENAL CORTICAL TISSUE WITHIN RENAL CORTEX			
Note: [ECT TISSUE] TGLs = 6-12			
Liver		Clear Cell Focus	Mild
		Eosinophilic Focus	Mild
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 1,4-11			
Note: [HEPATOCLR ADEN] TGLs = 2,3,7-5			
Seminal Vesicle		Dilatation	Moderate
Note: [DILATATION] TGLs = 5-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 456

DOSE: VEHICLE CONTROL

DISP: Interval Sacrifice

HISTO: 860621

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Heart
Intestine Small - Duodenum
Lung
Pancreas
Seminal Vesicle
Stomach - Glandular
Trachea

Adrenal Gland - Medulla
Epididymis
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Parathyroid Gland
Skin
Testes
Urinary Bladder

Bone
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Pituitary Gland
Spleen
Thymus

Bone Marrow
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Nose
Prostate
Stomach - Forestomach
Thyroid Gland

MISSING

Mammary Gland

OBSERVATIONS

Kidney
Liver
Salivary Glands

Pelvis

Infiltration Cellular
Vacuolization Cytoplasmic
Infiltration Cellular

Lymphocyte, Mild
Moderate
Lymphocyte, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 44	TRT#: 1	SEX: Male	DAY ON TEST: 455
	DOSE: VEHICLE CONTROL	DISP: Interval Sacrifice	HISTO: 860624

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Liver		Vacuolization Cytoplasmic	Minimal
Prostate		Infiltration Cellular	Lymphocyte, Mild
Skin		Alopecia	Moderate
Note: [ALOPECIA] TGLs = 1-8			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 47	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860627

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Gallbladder	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Minimal
Kidney	Cortex	Cyst	Mild
Liver		Hepatocellular Adenoma	Multiple
		Necrosis	Coagulative, Moderate
Note: [NECROSIS] TGLs = 1-12			
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Moderate
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 48	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860628

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

INSUFFICIENT TISSUE

Intestine Large - Rectum

OBSERVATIONS

Liver		Hepatocellular Carcinoma	
Note: [HEPATOCLR CARC] TGLs = 3-13,14			
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 2-11			
Mesentery	Fat	Inflammation	Chronic, Marked
Note: [INFLAMMATION] TGLs = 4-17			
Spleen		Hematopoietic Cell Proliferation Erythrocytic Hyperplasia	Mild Lymphoid, Mild
Note: [HEMA CL PR ERY] TGLs = 1-12			
Note: [HYPERPLASIA] TGLs = 1-12			
Stomach	Forestomach	Hemorrhage	Minimal
Note: [HEMORRHAGE] TGLs = 5-18			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 49	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860629

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

INSUFFICIENT TISSUE

Intestine Large - Rectum

OBSERVATIONS

Intestine Large Note: [HYPERPLASIA] TGLs = 4-11	Cecum	Hyperplasia	Lymphoid, Mild
Liver Note: [HEPATOCLR ADEN] TGLs = 3-5,5-13		Eosinophilic Focus Hepatocellular Adenoma	Mild Multiple
Mesentery Note: TGL 2 IS FAT NECROSIS Note: [NECROSIS] TGLs = 2-3	Fat	Necrosis	Liquifactive, Moderate
Preputial Gland Note: [INFLAMMATION] TGLs = 1-12		Inflammation	Suppurative, Marked
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 50	TRT#: 1	SEX: Male	DAY ON TEST: 734
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860630

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Parathyroid Gland	Pituitary Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Cytomegaly	Mild
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 51	TRT#: 1	SEX: Male	DAY ON TEST: 734
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860631

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Liver	Centrilobular	Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Thyroid Gland	Follicular Cel	Cyst	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 52	TRT#: 1	SEX: Male	DAY ON TEST: 455
	DOSE: VEHICLE CONTROL	DISP: Interval Sacrifice	HISTO: 860632

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Eye Note: [INFILTRAT CELL] TGLs = 2-11	Retrobulbar	Infiltration Cellular	Lymphocyte, Focal, Mild
Liver		Vacuolization Cytoplasmic	Moderate
Skin Note: [ALOPECIA] TGLs = 1-8		Alopecia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 53	TRT#: 1	SEX: Male	DAY ON TEST: 734
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860633

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Kidney		Nephropathy	Minimal
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 2-12			
Preputial Gland	Duct	Dilatation	Marked
Note: [DILATATION] TGLs = 1-11			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 54

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 860634

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 2-11]			
Preputial Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 1-11]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 56

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 860636

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Nephropathy	Minimal
Liver		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 2,3			
Preputial Gland	Duct	Dilatation	Moderate
Note: [DILATATION] TGLs = 4-12			
Stomach	Forestomach	Hyperkeratosis	Moderate
	Forestomach	Ulcer	Mild
Note: [HYPERKERATOSIS] TGLs = 5-13			
[Hyperkeratosis TGLS = 5-13]			
Testes	Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 1-8			
Urinary Bladder		Inflammation	Chronic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 57

TRT#: 1

SEX: Male

DAY ON TEST: 455

DOSE: VEHICLE CONTROL

DISP: Interval Sacrifice

HISTO: 860637

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Parathyroid Gland
Skin
Testes
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Pituitary Gland
Spleen
Thymus

Bone
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Nose
Prostate
Stomach - Forestomach
Thyroid Gland

Bone Marrow
Heart
Intestine Small - Duodenum
Lung
Pancreas
Seminal Vesicle
Stomach - Glandular
Trachea

MISSING

Mammary Gland

OBSERVATIONS

Epididymis
Kidney
Liver
Salivary Glands

Pelvis

Infiltration Cellular
Infiltration Cellular
Vacuolization Cytoplasmic
Infiltration Cellular

Lymphocyte, Mild
Lymphocyte, Mild
Mild
Lymphocyte, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 58	TRT#: 1	SEX: Male	DAY ON TEST: 456
	DOSE: VEHICLE CONTROL	DISP: Interval Sacrifice	HISTO: 860638

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Kidney	Pelvis	Infiltration Cellular	Lymphocyte, Minimal
Liver		Vacuolization Cytoplasmic	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 59	TRT#: 1	SEX: Male	DAY ON TEST: 541
	DOSE: VEHICLE CONTROL	DISP: Dead	HISTO: 860639

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Prostate	Seminal Vesicle
Skin	Spleen	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

AUTO PRECLUDES DIAG.

Gallbladder	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Stomach - Forestomach
Stomach - Glandular			

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Kidney		Infiltration Cellular	Lymphocyte, Mild
Liver		Hepatocellular Carcinoma	
Note: [HEPATOCLR CARC] TGLs = 2-12			
Note: [HEPATOCLR CARC] TGLs = 1-12			
Lymph Node	Mesenteric	Hemorrhage	Moderate
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 60	TRT#: 1	SEX: Male	DAY ON TEST: 734
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860640

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Clear Cell Focus	Minimal
Liver		Hepatocellular Adenoma	
Lung		Alveolar/Bronchiolar Adenoma	Multiple
Note: [ALV BRON ADEN] TGLs = 4-11			
Preputial Gland	Duct	Dilatation	Moderate
Note: [DILATATION] TGLs = 1-11			
Stomach	Forestomach	Squamous Cell Papilloma	
Note: [PAPILLOMA SQUA] TGLs = 5-4			

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 61	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860641

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Gallbladder	Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Kidney		Infiltration Cellular	Lymphocyte, Mild
Liver		Hepatocellular Carcinoma	
Lymph Node	Deep Cervical	Hyperplasia	Plasma Cell, Mild
	Mesenteric	Hyperplasia	Lymphoid, Moderate
	Mesenteric	Inflammation	Suppurative, Mild
[Hyperplasia TGLS = 4-7]			
[Hyperplasia TGLS = 3-11]			
[Inflammation TGLS = 4-7]			
Spleen		Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 2-14]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 62	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860642

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Parathyroid Gland	Thymus
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OBSERVATIONS

Liver	Eosinophilic Focus	Mild
	Hepatocellular Adenoma	
	Mixed Cell Focus	Mild
	Necrosis	Coagulative, Minimal
Note: [HEPATOCLR ADEN] TGLs = 2-5		
Skin	Inflammation	Chronic Active, Moderate
Note: [INFLAMMATION] TGLs = 1-11		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 63	TRT#: 1	SEX: Male	DAY ON TEST: 733
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860643

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Minimal
Kidney		Nephropathy	Mild
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 2-5			
Preputial Gland	Duct	Dilatation	Marked
Note: [DILATATION] TGLs = 1-11			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 66	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860646

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Pituitary Gland
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OBSERVATIONS

Liver	Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 2-5]		
Lung	Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 3-12]		
Seminal Vesicle	Inflammation	Chronic, Moderate
[Inflammation TGLS = 1-11]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Coumarin

CAS Number: 91-64-5

Date Report Requested: 10/21/2014

Time Report Requested: 16:21:55

First Dose M/F: NA / NA

Lab: AM BIO

ANIMAL ID: 67

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 860647

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Epididymis

Esophagus

Gallbladder

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Kidney

Liver

Lymph Node - Mandibular

Lymph Node - Mesenteric

Nose

Pancreas

Parathyroid Gland

Pituitary Gland

Prostate

Salivary Glands

Seminal Vesicle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Testes

Thymus

Thyroid Gland

Trachea

Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Lung

Alveolar/Bronchiolar Adenoma

[Alveolar/Bronchiolar Adenoma TGLS = 2-11]

Preputial Gland

Duct

Dilatation

Moderate

[Dilatation TGLS = 1-12]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 68	TRT#: 1	SEX: Male	DAY ON TEST: 670
	DOSE: VEHICLE CONTROL	DISP: Dead	HISTO: 860648

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Heart

MISSING

Esophagus	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Parathyroid Gland	Pituitary Gland		

AUTO PRECLUDES DIAG.

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Gallbladder	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	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Liver	Hepatocellular Carcinoma
Note: [HEPATOCLR CARC] TGLs = 1-5	
Lung	Alveolar/Bronchiolar Adenoma
Note: [ALV BRON ADEN] TGLs = 3-11	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 69	TRT#: 1	SEX: Male	DAY ON TEST: 456
	DOSE: VEHICLE CONTROL	DISP: Gavage Death	HISTO: 860649

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Lung		Inflammation	Suppurative, Mild
Note: [INFLAMMATION] TGLs = 2-11			
Stomach	Glandular	Ulcer	Mild
Thymus		Inflammation	Suppurative, Moderate
Tissue NOS	Mediastinum	Inflammation	Suppurative, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 70	TRT#: 1	SEX: Male	DAY ON TEST: 456
	DOSE: VEHICLE CONTROL	DISP: Interval Sacrifice	HISTO: 860650

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Liver	Vacuolization Cytoplasmic	Moderate
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 71	TRT#: 2	SEX: Male	DAY ON TEST: 729
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO: 860651

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Liver	Clear Cell Focus	Mild
	Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 1,3,4,6		
Salivary Glands	Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 72	TRT#: 2	SEX: Male	DAY ON TEST: 701
	DOSE: 50 MG/KG	DISP: Dead	HISTO: 860652

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Colon
Intestine Large - Rectum	Islets, Pancreatic	Kidney	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

AUTO PRECLUDES DIAG.

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Intestine Large - Cecum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum		

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Necrosis	Coagulative, Moderate
		Syncytial Alteration	Mild
Note: [HEPATOCLR CARC] TGLs = 2			
Stomach	Forestomach	Hyperkeratosis	Mild
Testes		Atrophy	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 73	TRT#: 2	SEX: Male	DAY ON TEST: 729
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO: 860653

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Liver	Basophilic Focus	Mild
Note: [BASOPH FOCUS] TGLs = 1-5		
Salivary Glands	Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 75	TRT#: 2	SEX: Male	DAY ON TEST: 730
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO: 860655

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Liver		Basophilic Focus	Mild
Preputial Gland	Duct	Dilatation	Marked
Thyroid Gland	Follicular Cel	Cyst	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 77	TRT#: 2	SEX: Male	DAY ON TEST: 734
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO: 860657

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Islets, Pancreatic		Hyperplasia	Mild
Kidney		Nephropathy	Minimal
Liver		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	Mild
		Syncytial Alteration	Minimal
Note: [MIXED CL FOCUS] TGLs = 2,5-5			
Note: [HEPATOCLR ADEN] TGLs = 1-12,3-5			
Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Mild
Preputial Gland	Duct	Dilatation	Moderate
Note: [DILATATION] TGLs = 6-11			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 78	TRT#: 2	SEX: Male	DAY ON TEST: 730
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO: 860658

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Moderate
Kidney		Infiltration Cellular	Lymphocyte, Mild
	Renal Tubule	Necrosis	Coagulative, Mild
		Nephropathy	Mild
Liver		Eosinophilic Focus	Mild
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 2,3			
Stomach	Forestomach	Squamous Cell Papilloma	
Note: [PAPILLOMA SQUA] TGLs = 1-11			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 79	TRT#: 2	SEX: Male	DAY ON TEST: 733
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO: 86659

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Esophagus	Lymph Node - Mandibular	Mammary Gland
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INSUFFICIENT TISSUE

Intestine Large - Rectum

OBSERVATIONS

Epididymis	Infiltration Cellular	Lymphocyte, Minimal
Liver	Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 2-5]		
Skin	Alopecia	Moderate
Note: [ALOPECIA] TGLs = 1-11		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 80	TRT#: 2	SEX: Male	DAY ON TEST: 729
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO: 860660

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mandibular	Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Kidney	Renal Tubule	Necrosis	Coagulative, Mild
Liver		Syncytial Alteration	Minimal
Preputial Gland	Duct	Dilatation	Marked
Note: [DILATATION] TGLs = 1-12			
Skin	Tail	Neurofibroma	
Note: [NEUROFIBROMA] TGLs = 2-13			
Stomach	Forestomach	Squamous Cell Papilloma	
Note: [PAPILOMA SQUA] TGLs = 3-11			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 81

TRT#: 2

SEX: Male

DAY ON TEST: 456

DOSE: 50 MG/KG

DISP: Interval Sacrifice

HISTO: 860661

OBSERVATIONS

Lung

Preputial Gland

[Dilatation TGLS = 1-12]

Duct

Alveolar/Bronchiolar Adenoma

Dilatation

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 82

TRT#: 2

SEX: Male

DAY ON TEST: 455

DOSE: 50 MG/KG

DISP: Interval Sacrifice

HISTO: 860662

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 83	TRT#: 2	SEX: Male	DAY ON TEST: 729
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO: 860663

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Liver	Eosinophilic Focus	Marked
	Hepatocellular Carcinoma	
Note: [HEPATOCLR CARC] TGLs = 1,2,3,4-11		
Parathyroid Gland		
Note: PARATHYROID MAY BE IN THYROID TUMOR.		
Salivary Glands	Infiltration Cellular	Lymphocyte, Mild
Stomach	Hyperplasia	Squamous, Mild
Thyroid Gland	Carcinoma	
Note: [CARCINOMA] TGLs = 5-2		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 84	TRT#: 2	SEX: Male	DAY ON TEST: 532
	DOSE: 50 MG/KG	DISP: Dead	HISTO: 860664

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Colon	Intestine Large - Rectum	Islets, Pancreatic
Kidney	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Prostate
Seminal Vesicle	Skin	Spleen	Testes
Thymus	Thyroid Gland	Trachea	

MISSING

Mammary Gland

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Pituitary Gland	Stomach - Forestomach	Stomach - Glandular	

OBSERVATIONS

Liver	Hepatocellular Carcinoma		
Note: [HEPATOCLR CARC] TGLs = 3-12			
Salivary Glands	Infiltration Cellular	Lymphocyte, Mild	
Urinary Bladder	Infiltration Cellular	Lymphocyte, Minimal	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 85	TRT#: 2	SEX: Male	DAY ON TEST: 733
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO: 860665

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Liver		Basophilic Focus	Mild
Stomach	Forestomach	Hyperplasia	Squamous, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 86

TRT#: 2

SEX: Male

DAY ON TEST: 734

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 860666

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Gallbladder	Mammary Gland	Pituitary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Intestine Small	Ileum	Lymphoma Malignant Lymphocytic	
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
Note: [HEPATOCLR CARC] TGLs = 5-5,14			
Lymph Node	Mesenteric	Lymphoma Malignant Lymphocytic	
	Pancreatic	Lymphoma Malignant Lymphocytic	
Note: [LYMPH MAL LYMP] TGLs = 2-11			
[Lymphoma Malignant Lymphocytic TGLS = 3-11]			
Preputial Gland	Duct	Dilatation	Marked
Note: [DILATATION] TGLs = 1-12			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 87	TRT#: 2	SEX: Male	DAY ON TEST: 730
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO: 860667

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Liver	Clear Cell Focus	Mild
	Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 2,3,4-5		
Salivary Glands	Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 88	TRT#: 2	SEX: Male	DAY ON TEST: 729
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO: 860668

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Lung	Bronchiole, Epithelium	Hyperplasia	Moderate
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 89	TRT#: 2	SEX: Male	DAY ON TEST: 730
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO: 860669

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Intestine Small	Jejunum	Adenocarcinoma	
Note: [ADENOCARC] TGLs = 2-4			
Kidney		Nephropathy	Minimal
Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: [HEPATOCLR CARC] TGLs = 4-5			
Note: [HEPATOCLR ADEN] TGLs = 5,6-5			
Lung		Alveolar/Bronchiolar Carcinoma	
Pancreas		Necrosis	Coagulative, Marked
Note: TGL-3 MAY BE A SEC. OF PANC. WHICH IS NECROT.			
Note: [NECROSIS] TGLs = 3-11			
Note: AND IDENTIFICATION IS NOT POSSIBLE			
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 91	TRT#: 2	SEX: Male	DAY ON TEST: 729
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO: 860671

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Infiltration Cellular	Lymphocyte, Mild
Liver		Eosinophilic Focus	Mild
		Hepatocellular Carcinoma	
	Centrilobular	Hypertrophy	Mild
		Syncytial Alteration	Minimal
Note: [HEPATOCLR CARC] TGLs = 2-5			
Pancreas		Atrophy	Mild
Preputial Gland	Duct	Dilatation	Marked
Note: [DILATATION] TGLs = 1-11			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Coumarin

CAS Number: 91-64-5

Date Report Requested: 10/21/2014

Time Report Requested: 16:21:55

First Dose M/F: NA / NA

Lab: AM BIO

ANIMAL ID: 92

TRT#: 2

SEX: Male

DAY ON TEST: 729

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 860672

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Liver		Clear Cell Focus	Minimal
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 1,2-5			
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Stomach	Forestomach	Squamous Cell Papilloma	
Note: [PAPILOMA SQUA] TGLs = 3-4			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 93

TRT#: 2

SEX: Male

DAY ON TEST: 456

DOSE: 50 MG/KG

DISP: Interval Sacrifice

HISTO: 860673

OBSERVATIONS

Liver

Hepatocellular Adenoma
Syncytial Alteration

Minimal

Note: [HEPATOCLR ADEN] TGLs = 1-2

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Coumarin

CAS Number: 91-64-5

Date Report Requested: 10/21/2014

Time Report Requested: 16:21:55

First Dose M/F: NA / NA

Lab: AM BIO

ANIMAL ID: 94

TRT#: 2

SEX: Male

DAY ON TEST: 734

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 860674

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Epididymis

Esophagus

Gallbladder

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Kidney

Liver

Lung

Lymph Node - Mandibular

Lymph Node - Mesenteric

Nose

Pancreas

Parathyroid Gland

Prostate

Seminal Vesicle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Testes

Thymus

Trachea

Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Pituitary Gland

Pars Distalis

Cyst

Mild

Preputial Gland

Duct

Dilatation

Marked

Note: [DILATATION] TGLs = 1-11

Salivary Glands

Infiltration Cellular

Lymphocyte, Minimal

Thyroid Gland

Follicular Cel

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 95

TRT#: 2

SEX: Male

DAY ON TEST: 456

DOSE: 50 MG/KG

DISP: Interval Sacrifice

HISTO: 860675

OBSERVATIONS

Liver

[Hepatocellular Adenoma TGLS = 1-2]

Hepatocellular Adenoma

Lung

Alveolar/Bronchiolar Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 97	TRT#: 2	SEX: Male	DAY ON TEST: 729
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO: 860677

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Parathyroid Gland
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INSUFFICIENT TISSUE

Gallbladder

OBSERVATIONS

Liver	Mixed Cell Focus	Minimal
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PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 98	TRT#: 2	SEX: Male	DAY ON TEST: 607
	DOSE: 50 MG/KG	DISP: Dead	HISTO: 860678

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Colon	Islets, Pancreatic	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

AUTO PRECLUDES DIAG.

Gallbladder	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Lymph Node - Mesenteric	Stomach - Glandular

OBSERVATIONS

Kidney	Renal Tubule	Pigmentation	Hemosiderin, Moderate
Liver		Eosinophilic Focus	Mild
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
Note: [HEPATOCLR CARC] TGLs = 3-11			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Preputial Gland	Duct	Dilatation	Marked
Note: [DILATATION] TGLs = 5-12			
Spleen		Hematopoietic Cell Proliferation Erythrocytic	Moderate
Note: [HEMA CL PR ERY] TGLs = 4-5			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Coumarin

CAS Number: 91-64-5

Date Report Requested: 10/21/2014

Time Report Requested: 16:21:55

First Dose M/F: NA / NA

Lab: AM BIO

ANIMAL ID: 99

TRT#: 2

SEX: Male

DAY ON TEST: 729

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 860679

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Kidney		Nephropathy	Minimal
Liver		Eosinophilic Focus	Mild
		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	Mild
Note: [HEPATOCLR ADEN] TGLs = 2-12,3-11			
Note: [MIXED CL FOCUS] TGLs = 5-12,4-11			
Lung		Alveolar/Bronchiolar Adenoma	
Preputial Gland	Duct	Dilatation	Moderate
Note: [DILATATION] TGLs = 1-13.1			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 100

TRT#: 2

SEX: Male

DAY ON TEST: 729

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 860680

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Pituitary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Moderate
Liver		Clear Cell Focus	Moderate
		Eosinophilic Focus	Moderate
		Hepatocellular Adenoma	Multiple

Note: [CLEAR CL FOCUS] TGLs = 3-5

Note: [HEPATOCLR ADEN] TGLs = 1,2-11

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 101	TRT#: 2	SEX: Male	DAY ON TEST: 729
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO: 860681

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Moderate
Liver		Eosinophilic Focus	Mild
Mesentery	Fat	Necrosis	Coagulative, Moderate
Note: [NECROSIS] TGLs = 1-11			
Preputial Gland		Inflammation	Suppurative, Moderate
Note: [INFLAMMATION] TGLs = 3-13			
Stomach	Forestomach	Squamous Cell Papilloma	
Note: [PAPILOMA SQUA] TGLs = 2-12			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 102	TRT#: 2	SEX: Male	DAY ON TEST: 733
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO: 860682

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Islets, Pancreatic		Hyperplasia	Marked
Kidney		Nephropathy	Minimal
Liver		Eosinophilic Focus	Minimal
Stomach	Forestomach	Squamous Cell Papilloma	
Note: [PAPILOMA SQUA] TGLs = 1-11			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 103

TRT#: 2

SEX: Male

DAY ON TEST: 729

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 860683

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 104	TRT#: 2	SEX: Male	DAY ON TEST: 734
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO: 860684

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Liver		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 2,3,4-5			
Preputial Gland	Duct	Dilatation	Marked
Note: [DILATATION] TGLs = 1-11			
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 105

TRT#: 2

SEX: Male

DAY ON TEST: 455

DOSE: 50 MG/KG

DISP: Interval Sacrifice

HISTO: 860685

OBSERVATIONS

Liver

Vacuolization Cytoplasmic

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 107

TRT#: 2
DOSE: 50 MG/KG

SEX: Male
DISP: Interval Sacrifice

DAY ON TEST: 455
HISTO: 860687

OBSERVATIONS

Skin

Alopecia

Mild

Note: [ALOPECIA] TGLs = 1-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 108

TRT#: 2

SEX: Male

DAY ON TEST: 729

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 860688

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Heart
Intestine Small - Duodenum
Kidney
Nose
Salivary Glands
Stomach - Forestomach
Thyroid Gland

Adrenal Gland - Medulla
Epididymis
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Pancreas
Seminal Vesicle
Stomach - Glandular
Trachea

Bone
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Pituitary Gland
Skin
Testes
Urinary Bladder

Bone Marrow
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Prostate
Spleen
Thymus

MISSING

Mammary Gland

INSUFFICIENT TISSUE

Parathyroid Gland

OBSERVATIONS

Liver

Eosinophilic Focus
Hepatocellular Adenoma

Moderate

[Hepatocellular Adenoma TGLS = 1-5]

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 109	TRT#: 2	SEX: Male	DAY ON TEST: 729
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO: 860689

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Nephropathy	Moderate
Liver		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 2,3,4-5			
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 1-11			
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 110

TRT#: 2

SEX: Male

DAY ON TEST: 733

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 860690

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Liver		Hepatocellular Adenoma	
Lung		Alveolar/Bronchiolar Adenoma	
Preputial Gland	Duct	Dilatation	Marked
Note: [DILATATION] TGLs = 2-11			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 112

TRT#: 2

SEX: Male

DAY ON TEST: 734

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 860692

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Brain	Meninges	Fibrosis	Mild
Pituitary Gland		Fibrosis	Moderate
Stomach	Forestomach	Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 1-4]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 113

TRT#: 2

SEX: Male

DAY ON TEST: 729

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 860693

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Moderate
Lymph Node	Mesenteric	Congestion	Moderate
Note: [CONGESTION] TGLs = 2-7			
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Spleen	Lymphocyte	Atrophy	Mild
		Congestion	Mild
Note: [ATROPHY] TGLs = 1-5			
Note: [CONGESTION] TGLs = 1-5			
Thyroid Gland	Follicular Cel	Cyst	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 114

TRT#: 2

SEX: Male

DAY ON TEST: 733

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 860694

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Nephropathy	Minimal
Liver		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 3,4			
Preputial Gland	Duct	Dilatation	Moderate
Note: [DILATATION] TGLs = 2-12			
Skin		Alopecia	Minimal
Note: [ALOPECIA] TGLs = 1-11			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 115	TRT#: 2	SEX: Male	DAY ON TEST: 733
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO: 860695

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Liver	Centrilobular	Hypertrophy	Mild
Pancreas		Atrophy	Minimal
		Infiltration Cellular	Lymphocyte, Minimal
Stomach	Forestomach	Hyperkeratosis	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 116

TRT#: 2

SEX: Male

DAY ON TEST: 733

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 860696

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Preputial Gland	Duct	Dilatation	Moderate
Note: [DILATATION] TGLs = 1-11			
Thyroid Gland		Infiltration Cellular	Lymphocyte, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 118

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 860698

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Esophagus	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Lymphoma Malignant Lymphocytic	
	Medulla	Lymphoma Malignant Lymphocytic	
Bone		Lymphoma Malignant Lymphocytic	
Bone Marrow		Lymphoma Malignant Lymphocytic	
Brain		Lymphoma Malignant Lymphocytic	
Epididymis		Lymphoma Malignant Lymphocytic	
Gallbladder		Lymphoma Malignant Lymphocytic	
Heart		Lymphoma Malignant Lymphocytic	
Intestine Large	Cecum	Lymphoma Malignant Lymphocytic	
Kidney		Lymphoma Malignant Lymphocytic	
Liver		Hepatocellular Adenoma	Multiple
		Lymphoma Malignant Lymphocytic	
Note: [LYMPH MAL LYMP] TGLs = 6,7-13			
Note: [HEPATOCLR ADEN] TGLs = 6,7			
Lung		Lymphoma Malignant Lymphocytic	
Note: [LYMPH MAL LYMP] TGLs = 3,4,5-16			
Lymph Node	Inguinal	Lymphoma Malignant Lymphocytic	
	Mandibular	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
Note: [LYMPH MAL LYMP] TGLs = 8-14			
Note: [LYMPH MAL LYMP] TGLs = 2-11			
Note: [LYMPH MAL LYMP] TGLs = 10-15			
Nose		Lymphoma Malignant Lymphocytic	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 118

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 860698

ORGAN AND ACCOUNTABLE SITE STATUS

Pancreas	Lymphoma Malignant Lymphocytic
Preputial Gland	Lymphoma Malignant Lymphocytic
Note: [LYMPH MAL LYMP] TGLs = 9-17	
Prostate	Lymphoma Malignant Lymphocytic
Seminal Vesicle	Lymphoma Malignant Lymphocytic
Spleen	Lymphoma Malignant Lymphocytic
Note: [LYMPH MAL LYMP] TGLs = 1-12	
Testes	Lymphoma Malignant Lymphocytic
Thymus	Lymphoma Malignant Lymphocytic
Urinary Bladder	Lymphoma Malignant Lymphocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 120

TRT#: 2

SEX: Male

DAY ON TEST: 733

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 860700

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
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	Seminal Vesicle
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Nephropathy	Minimal
Liver		Eosinophilic Focus	Mild
		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 4-5			
Lung	Bronchiole, Epithelium	Hyperplasia	Mild
Lymph Node	Mesenteric	Lymphoma Malignant Lymphocytic	
Note: [LYMPH MAL LYMP] TGLs = 3-11			
Skin		Alopecia	Moderate
Note: [ALOPECIA] TGLs = 1-12			
Spleen		Hyperplasia	Lymphoid, Moderate
Note: [HYPERPLASIA] TGLs = 2-5			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 121

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 860701

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Mild
Epididymis		Granuloma	Moderate
Kidney		Infiltration Cellular	Lymphocyte, Mild
Liver		Hepatocellular Carcinoma	

Note: [HEPATOCLR CARC] TGLs = 1-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 122

TRT#: 2

SEX: Male

DAY ON TEST: 729

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 860702

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Intestine Small	Jejunum	Adenoma	
Kidney		Nephropathy	Minimal
Liver		Clear Cell Focus	Mild
		Eosinophilic Focus	Mild
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 2-5			
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 1-11.1			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 123

TRT#: 2

SEX: Male

DAY ON TEST: 733

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 860703

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland			
Note: TGL-3 IS NORMAL ADRENAL GLAND			
Kidney	Nephropathy	Minimal	
Liver	Clear Cell Focus	Mild	
	Hepatocellular Adenoma	Multiple	
Note: [HEPATOCLR ADEN] TGLs = 1,2-5			
Salivary Glands	Infiltration Cellular	Lymphocyte, Mild	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 125

TRT#: 2

SEX: Male

DAY ON TEST: 729

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 860705

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Heart
Intestine Small - Duodenum
Kidney
Nose
Prostate
Spleen
Thymus

Adrenal Gland - Medulla
Epididymis
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Pancreas
Salivary Glands
Stomach - Forestomach
Thyroid Gland

Bone
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Parathyroid Gland
Seminal Vesicle
Stomach - Glandular
Trachea

Bone Marrow
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Pituitary Gland
Skin
Testes
Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Liver Hepatocellular Adenoma

Note: [HEPATOCLR ADEN] TGLs = 1-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 126

TRT#: 2

SEX: Male

DAY ON TEST: 729

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 860706

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Heart
Intestine Small - Duodenum
Kidney
Nose
Prostate
Spleen
Thymus

Adrenal Gland - Medulla
Epididymis
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Pancreas
Salivary Glands
Stomach - Forestomach
Thyroid Gland

Bone
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Parathyroid Gland
Seminal Vesicle
Stomach - Glandular
Trachea

Bone Marrow
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Pituitary Gland
Skin
Testes
Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Liver Hepatocellular Adenoma

Note: [HEPATOCLR ADEN] TGLs = 1-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 127	TRT#: 2	SEX: Male	DAY ON TEST: 730
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO: 860707

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Minimal
Harderian Gland		Adenoma	
Note: [ADENOMA] TGLs = 4-11			
Islets, Pancreatic		Hyperplasia	Marked
Liver		Basophilic Focus	Moderate
		Hepatocellular Adenoma	Multiple
		Syncytial Alteration	Minimal
Note: [HEPATOCLR ADEN] TGLs = 1,2,3-5			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 128

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 860708

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 2-11			
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Stomach	Forestomach	Squamous Cell Papilloma	
Note: [PAPILOMA SQUA] TGLs = 3-12			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 129

TRT#: 2

SEX: Male

DAY ON TEST: 729

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 860709

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart		Inflammation	Chronic Active, Moderate
Kidney		Nephropathy	Minimal
Liver		Eosinophilic Focus	Mild
		Hepatocellular Adenoma	Multiple
		Syncytial Alteration	Minimal
Note: [HEPATOCLR ADEN] TGLs = 4,6-5			
Pancreas		Polyarteritis	Mild
Preputial Gland	Duct	Dilatation	Moderate
Note: [DILATATION] TGLs = 2-12			
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Skin		Alopecia	Minimal
Note: [ALOPECIA] TGLs = 1-11			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 130

TRT#: 2

SEX: Male

DAY ON TEST: 733

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 860710

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Infiltration Cellular	Lymphocyte, Moderate
Liver		Hepatocellular Carcinoma	
Note: [HEPATOCLR CARC] TGLs = 4-12			
Mesentery	Fat	Necrosis	Coagulative, Moderate
Note: [NECROSIS] TGLs = 1-13			
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Stomach	Forestomach	Squamous Cell Papilloma	
Note: [PAPILOMA SQUA] TGLs = 5-11			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 131

TRT#: 2

SEX: Male

DAY ON TEST: 733

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 860711

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Liver		Eosinophilic Focus	Mild
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
Note: [HEPATOCLR CARC]	TGLs = 1-12		
Note: [HEPATOCLR ADEN]	TGLs = 3-5		
Pancreas		Atrophy	Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Stomach	Forestomach	Hyperplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 134

TRT#: 2
DOSE: 50 MG/KG

SEX: Male
DISP: Interval Sacrifice

DAY ON TEST: 456
HISTO: 860714

OBSERVATIONS

Preputial Gland
[Dilatation TGLS = 1-12]

Duct

Dilatation

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 135

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 860715

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Pituitary Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Moderate
Kidney		Nephropathy	Minimal
Liver		Eosinophilic Focus	Mild
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 3,4,6-5			
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 5-13			
Preputial Gland	Duct	Dilatation	Marked
Note: [DILATATION] TGLs = 2-12			
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Skin		Basal Cell Adenoma	
Note: [BASAL CEL ADEN] TGLs = 1-11			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 137

TRT#: 2

SEX: Male

DAY ON TEST: 734

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 860717

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Kidney	Cortex	Cyst Multilocular	Mild
Liver		Clear Cell Focus	Mild
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
Note: [HEPATOCLR CARC]	TGLs = 1-11		
Note: [CLEAR CL FOCUS]	TGLs = 3-5		
Note: [HEPATOCLR ADEN]	TGLs = 2-5		
Note: [HEPATOCLR ADEN]	TGLs = 4.5-11		
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 138

TRT#: 2

SEX: Male

DAY ON TEST: 734

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 860718

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Liver		Eosinophilic Focus	Mild
Preputial Gland	Duct	Dilatation	Marked
Note: [DILATATION] TGLs = 1-12			
Stomach	Forestomach	Squamous Cell Carcinoma	
Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 139 **TRT#:** 2 **SEX:** Male **DAY ON TEST:** 734
DOSE: 50 MG/KG **DISP:** Terminal Sacrifice **HISTO:** 860719

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Clear Cell Focus	Mild
	Spindle Cell	Hyperplasia	Mild
Lacrimal GI			
Note: LACRIMAL GL: MULTIPLE SECTIONS CONTAIN ONLY			
Note: NORMAL GLANDULAR PARENCHYMA			
Liver		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 2,5-5			
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 4-12			
Preputial Gland	Duct	Dilatation	Marked
Note: [DILATATION] TGLs = 1-11			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 140

TRT#: 2
DOSE: 50 MG/KG

SEX: Male
DISP: Interval Sacrifice

DAY ON TEST: 456
HISTO: 860720

OBSERVATIONS

Preputial Gland

Duct

Dilatation

Moderate

Note: [DILATATION] TGLs = 1-12

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 141

TRT#: 3

SEX: Male

DAY ON TEST: 712

DOSE: 100MG/KG

DISP: Moribund

HISTO: 860721

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Clear Cell Focus	Moderate
Intestine Large	Colon	Inflammation	Chronic, Mild
Liver		Basophilic Focus	Mild
		Hepatoblastoma	
		Syncytial Alteration	Mild
Note: [HEPATOBLASTOMA] TGLs = 3-14			
Spleen		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 5-5]			
Stomach	Forestomach	Squamous Cell Carcinoma	
	Glandular	Ulcer	Mild
[Squamous Cell Carcinoma TGLS = 4-13]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 142

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 860722

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Heart
Intestine Small - Duodenum
Kidney
Nose
Prostate
Spleen
Thyroid Gland

Adrenal Gland - Medulla
Epididymis
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Pancreas
Salivary Glands
Stomach - Forestomach
Trachea

Bone
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Parathyroid Gland
Seminal Vesicle
Stomach - Glandular

Bone Marrow
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Pituitary Gland
Skin
Testes

MISSING

Mammary Gland

Thymus

OBSERVATIONS

Liver
Urinary Bladder

Eosinophilic Focus
Hepatocellular Adenoma
Infiltration Cellular

Mild
Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 143

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 860723

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Liver	Syncytial Alteration	Minimal
Lung	Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 1-12]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 145	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO: 860725

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Liver	Centrilobular	Hypertrophy	Mild
		Syncytial Alteration	Minimal
		Vacuolization Cytoplasmic	Mild
Lung	Alveolar Epith	Hyperplasia	Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 147	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO: 860727

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Kidney	Cortex	Cyst	Mild
Liver		Clear Cell Focus	Moderate
		Hepatocellular Adenoma	Multiple
		Syncytial Alteration	Minimal
Note: [CLEAR CL FOCUS] TGLs = 2-5			
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 4-12			
Mesentery	Fat	Necrosis	Coagulative, Marked
Note: [NECROSIS] TGLs = 1-11			
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 148

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 860728

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Infiltration Cellular	Lymphocyte, Minimal
Liver		Basophilic Focus	Mild
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 1-5			
Preputial Gland	Duct	Dilatation	Marked
Note: [DILATATION] TGLs = 2-11			
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 150

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 860730

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Intestine Large Note: [HYPERPLASIA] TGLs = 1-11	Cecum	Hyperplasia	Lymphoid, Moderate
Islets, Pancreatic		Adenoma	
Kidney	Collect Tub	Necrosis	Coagulative, Mild
Liver		Syncytial Alteration	Minimal
		Vacuolization Cytoplasmic	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 151

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 860731

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Liver	Hepatocellular Adenoma	Multiple
	Syncytial Alteration	Minimal
Note: [HEPATOCLR ADEN] TGLs = 1-11		
Lung	Alveolar/Bronchiolar Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 152

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 860732

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Liver		Syncytial Alteration	Minimal
		Vacuolization Cytoplasmic	Mild
Lung	Alveolar Epith	Hyperplasia	Minimal
Preputial Gland	Duct	Dilatation	Marked

[Dilatation TGLS = 1-11]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 153

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 860733

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Liver		Eosinophilic Focus	Mild
		Syncytial Alteration	Mild
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Moderate
	Pancreatic	Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 3-12			
Preputial Gland	Duct	Dilatation	Marked
Note: [DILATATION] TGLs = 1,2-11			
Seminal Vesicle		Dilatation	Moderate
Note: [DILATATION] TGLs = 4,5-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 155	TRT#: 3	SEX: Male	DAY ON TEST: 733
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO: 860735

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Liver		Hepatocellular Adenoma	
	Centrilobular	Hypertrophy	Mild
Note: [HEPATOCLR ADEN] TGLs = 1-5			
Preputial Gland	Duct	Dilatation	Marked
Note: [DILATATION] TGLs = 3-11			
Urinary Bladder		Hemorrhage	Moderate
Note: [HEMORRHAGE] TGLs = 2-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 156

TRT#: 3

SEX: Male

DAY ON TEST: 455

DOSE: 100MG/KG

DISP: Interval Sacrifice

HISTO: 860736

OBSERVATIONS

Liver

Hepatocellular Adenoma
Syncytial Alteration

Multiple
Mild

Note: [HEPATOCLR ADEN] TGLs = 1-2

Skin

Alopecia

Mild

Note: [ALOPECIA] TGLs = 2-8

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 158

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 860738

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Kidney	Renal Tubule	Necrosis	Coagulative, Moderate
		Nephropathy	Moderate
Liver		Clear Cell Focus	Mild
		Eosinophilic Focus	Mild
		Hepatoblastoma	
		Hepatocellular Adenoma	
	Centrilobular	Hypertrophy	Mild
Note: [HEPATOBLASTOMA] TGLs = 1-5			
Note: [HEPATOCLR ADEN] TGLs = 2-12			
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 3-11			
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Thyroid Gland		Infiltration Cellular	Lymphocyte, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 159

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 860739

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Cyst	Moderate
Liver		Hepatocellular Adenoma	
		Syncytial Alteration	Minimal
Note: [HEPATOCLR ADEN] TGLs = 1-5			
Prostate		Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 160

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 860740

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
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	Pituitary Gland	Prostate	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Infiltration Cellular Nephropathy	Lymphocyte, Minimal Minimal
Liver		Hepatocellular Adenoma Hepatocellular Carcinoma	
	Centrilobular	Hypertrophy Syncytial Alteration	Mild Mild
Note: [HEPATOCLR CARC] TGLs = 2-11			
Lymph Node	Mesenteric	Congestion	Marked
Note: [CONGESTION] TGLs = 1-7			
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 162

TRT#: 3

SEX: Male

DAY ON TEST: 456

DOSE: 100MG/KG

DISP: Interval Sacrifice

HISTO: 860742

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Spleen

OBSERVATIONS

Spleen

Note: SPLEEN-NO CORRESPONDING LESION IN STEP SECTIONS.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 163

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 860743

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Kidney	Renal Tubule	Necrosis	Coagulative, Mild
Liver		Clear Cell Focus	Minimal
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Syncytial Alteration	Minimal
Note: [HEPATOCLR CARC] TGLs = 2-11			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	Alveolar Epith	Hyperplasia	Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Stomach	Forestomach	Ulcer	Moderate

Note: [ULCER] TGLs = 1-12

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 164

TRT#: 3

SEX: Male

DAY ON TEST: 455

DOSE: 100MG/KG

DISP: Interval Sacrifice

HISTO: 860744

OBSERVATIONS

Liver

Syncytial Alteration

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 165	TRT#: 3	SEX: Male	DAY ON TEST: 733
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO: 860745

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
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	Parathyroid Gland
Prostate	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Lymph Node - Mesenteric	Mammary Gland	Pituitary Gland
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OBSERVATIONS

Liver	Syncytial Alteration	Minimal
Lung	Alveolar/Bronchiolar Adenoma	
Pancreas	Infiltration Cellular	Lymphocyte, Mild
Salivary Glands	Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 167	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO: 860747

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Liver		Hepatocellular Adenoma	Multiple
	Centrilobular	Hypertrophy	Mild
		Syncytial Alteration	Mild

[Hepatocellular Adenoma TGLS = 1,2-5]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 168	TRT#: 3	SEX: Male	DAY ON TEST: 733
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO: 860748

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Intestine Large	Cecum	Hyperplasia	Lymphoid, Moderate
Liver		Hepatocellular Adenoma	Multiple
	Centrilobular	Hypertrophy	Minimal
		Syncytial Alteration	Minimal
		Vacuolization Cytoplasmic	Moderate
Note: [HEPATOCLR ADEN] TGLs = 2,4,5			
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 170

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 860750

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Adrenal Gland - Medulla	Mammary Gland	Pituitary Gland
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OBSERVATIONS

Kidney		Infiltration Cellular	Lymphocyte, Mild
Liver		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 2,5-5			
Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	
Note: [ALV BRON ADEN] TGLs = 4-13,1-12			
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Stomach	Forestomach	Squamous Cell Papilloma	
Note: [PAPILOMA SQUA] TGLs = 3-11			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 171

TRT#: 3

SEX: Male

DAY ON TEST: 456

DOSE: 100MG/KG

DISP: Interval Sacrifice

HISTO: 860751

OBSERVATIONS

Liver

Syncytial Alteration

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 172	TRT#: 3 DOSE: 100MG/KG	SEX: Male DISP: Interval Sacrifice	DAY ON TEST: 455 HISTO: 860752
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Small - Duodenum	Intestine Small - Ileum	Stomach - Forestomach
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OBSERVATIONS

Intestine Small [Hyperplasia TGLS = 1-12]	Jejunum, Lymphoid Tiss	Hyperplasia	Lymphoid, Moderate
Liver Note: TGL 4 MAY BE AN INFARCTED LIVER TUMOR		Syncytial Alteration Vacuolization Cytoplasmic	Mild Minimal
Stomach Note: [INFILTRAT CELL] TGLs = 2-6	Glandular	Infiltration Cellular	Lymphocyte, Mild

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 173	TRT#: 3	SEX: Male	DAY ON TEST: 730
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO: 860753

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Parathyroid Gland	Pituitary Gland	
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OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Kidney	Cortex	Cyst	Mild
Liver	Centrilobular	Hypertrophy	Minimal
		Syncytial Alteration	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 174

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 860754

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Liver		Eosinophilic Focus	Minimal
	Centrilobular	Hypertrophy	Minimal
		Syncytial Alteration	Minimal
Lung		Alveolar/Bronchiolar Carcinoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 175

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 860755

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Epididymis
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Parathyroid Gland
Seminal Vesicle
Stomach - Glandular
Urinary Bladder

Bone
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Pituitary Gland
Skin
Testes

Bone Marrow
Heart
Intestine Small - Duodenum
Kidney
Nose
Prostate
Spleen
Thymus

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

MISSING

Mammary Gland

INSUFFICIENT TISSUE

Esophagus

OBSERVATIONS

Adrenal Gland
Liver
Thyroid Gland

Cortex
Centrilobular
Follicular Cel

Cytoplasmic Alteration
Hypertrophy
Cyst

Mild
Minimal
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 176

TRT#: 3

SEX: Male

DAY ON TEST: 636

DOSE: 100MG/KG

DISP: Moribund

HISTO: 860756

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Kidney		Glomerulosclerosis	Moderate
		Nephropathy	Moderate
Liver		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 1-11]			
Preputial Gland	Duct	Dilatation	Marked
[Dilatation TGLS = 3-13]			
Testes		Atrophy	Moderate
[Atrophy TGLS = 2-12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 177

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 860757

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Pituitary Gland
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OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Minimal
Liver		Clear Cell Focus	Mild
		Eosinophilic Focus	Mild
		Hepatocellular Adenoma	Multiple
	Centrilobular	Hypertrophy	Minimal
		Syncytial Alteration	Minimal
Note: [HEPATOCLR ADEN] TGLs = 4-5 Note: [HEPATOCLR ADEN] TGLs = 3-12 [Hepatocellular Adenoma TGLS = 2-11]			
Lung		Alveolar/Bronchiolar Adenoma	Multiple
Note: [ALV BRON ADEN] TGLs = 9-6 [Alveolar/Bronchiolar Adenoma TGLS = 10-17]			
Preputial Gland	Duct	Dilatation	Marked
[Dilatation TGLS = 1-16]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 178

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 860758

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Intestine Large	Cecum	Lymphoma Malignant Lymphocytic	
Liver		Eosinophilic Focus	Moderate
	Centrilobular	Hepatocellular Adenoma	
		Hypertrophy	Mild
		Syncytial Alteration	Minimal
Note: [HEPATOCLR ADEN] TGLs = 1-5			
Lymph Node	Mesenteric	Lymphoma Malignant Lymphocytic	
Note: TGL 5?&6 ARE SAME LYMPH NODE			
Note: [LYMPH MAL LYMP] TGLs = 5-7,6-12			
Spleen		Lymphoma Malignant Lymphocytic	
Note: [LYMPH MAL LYMP] TGLs = 4-5			
Stomach	Forestomach	Hyperplasia	Squamous, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 180

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 860760

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Liver		Hepatocellular Adenoma	
	Centrilobular	Hypertrophy	Minimal
		Syncytial Alteration	Minimal
Note: [HEPATOCLR ADEN]	TGLs = 1-5		
Lung		Alveolar/Bronchiolar Adenoma	
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 181	TRT#: 3	SEX: Male	DAY ON TEST: 730
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO: 860761

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Gallbladder	Mammary Gland
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OBSERVATIONS

Liver		Hepatocellular Adenoma Mixed Cell Focus	Multiple Mild
Note: [HEPATOCLR ADEN] TGLs = 2,5-11 [Hepatocellular Adenoma TGLS = 3-5] [Mixed Cell Focus TGLS = 4-5]			
Preputial Gland	Duct	Dilatation	Marked
[Dilatation TGLS = 1-12]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 182

TRT#: 3

SEX: Male

DAY ON TEST: 456

DOSE: 100MG/KG

DISP: Interval Sacrifice

HISTO: 860762

OBSERVATIONS

Liver

Vacuolization Cytoplasmic

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 183

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 860763

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Heart
Intestine Small - Duodenum
Lung
Pancreas
Skin
Testes
Urinary Bladder

Adrenal Gland - Medulla
Epididymis
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Parathyroid Gland
Spleen
Thymus

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

Bone Marrow
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Nose
Seminal Vesicle
Stomach - Glandular
Trachea

MISSING

Mammary Gland

Pituitary Gland

OBSERVATIONS

Kidney
Liver

Infiltration Cellular
Clear Cell Focus
Eosinophilic Focus
Hepatoblastoma
Hepatocellular Adenoma
Hepatocellular Carcinoma
Syncytial Alteration

Lymphocyte, Minimal
Mild
Mild
Multiple
Minimal

Note: [HEPATOCLR ADEN] TGLs = 2,3,5

Note: [HEPATOBLASTOMA] TGLs = 4-11

Salivary Glands

Infiltration Cellular

Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 184	TRT#: 3	SEX: Male	DAY ON TEST: 733
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO: 860764

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Liver	Centrilobular	Hypertrophy	Minimal
Lung		Alveolar/Bronchiolar Adenoma	Multiple
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 185

TRT#: 3

SEX: Male

DAY ON TEST: 567

DOSE: 100MG/KG

DISP: Moribund

HISTO: 860765

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Pituitary Gland
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OBSERVATIONS

Bone Marrow		Hyperplasia	Neutrophil, Moderate
Intestine Small	Ileum	Lymphoma Malignant	
Note: [LYMPH MAL] TGLs = 6-13			
Kidney		Lymphoma Malignant	
Liver		Hepatocellular Adenoma	
		Inflammation	Suppurative, Mild
		Syncytial Alteration	Minimal
Lung		Inflammation	Suppurative, Mild
Lymph Node	Lumbar	Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	
	Mesenteric	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
Note: [LYMPH MAL] TGLs = 5-14			
Note: [LYMPH MAL] TGLs = 3-3			
Note: [LYMPH MAL] TGLs = 7-14			
Note: [LYMPH MAL] TGLs = 4-12			
Mesentery	Fat	Lymphoma Malignant	
Pancreas		Lymphoma Malignant	
Spleen		Hyperplasia	Lymphoid, Mild
Thymus		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 185

TRT#: 3

SEX: Male

DAY ON TEST: 567

DOSE: 100MG/KG

DISP: Moribund

HISTO: 860765

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 186

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 860766

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Pituitary Gland
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OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Liver		Eosinophilic Focus	Moderate
	Centrilobular	Hypertrophy	Mild
		Syncytial Alteration	Minimal
Preputial Gland	Duct	Dilatation	Marked

Note: [DILATATION] TGLs = 1-11

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 187

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 860767

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Gallbladder	Mammary Gland
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OBSERVATIONS

Heart		Infiltration Cellular	Lymphocyte, Mild
Intestine Large	Cecum	Hyperplasia	Lymphoid, Moderate
Liver		Clear Cell Focus	Minimal
		Eosinophilic Focus	Minimal
	Centrilobular	Hepatocellular Adenoma	Multiple
		Hypertrophy	Minimal
		Syncytial Alteration	Minimal
Note: [HEPATOCLR ADEN] TGLs = 5-5			
Note: [HEPATOCLR ADEN] TGLs = 3,4-11			
Note: [HEPATOCLR ADEN] TGLs = 6-12			
Lung		Alveolar/Bronchiolar Adenoma	
	Alveolus	Hemorrhage	Mild
Pancreas		Infiltration Cellular	Lymphocyte, Minimal
Preputial Gland	Duct	Dilatation	Marked
Note: [DILATATION] TGLs = 1-13			
Spleen		Hyperplasia	Lymphoid, Moderate
Note: [HYPERPLASIA] TGLs = 2-5			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 188	TRT#: 3	SEX: Male	DAY ON TEST: 730
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO: 860768

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Liver		Clear Cell Focus	Mild
		Eosinophilic Focus	Mild
		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
	Centrilobular	Hypertrophy	Mild

Note: [HEPATOCLR ADEN] TGLs = 4-11
[Hepatoblastoma TGLS = 5-11]
[Hepatocellular Adenoma TGLS = 3,6,7-12]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 189

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 860769

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Kidney	Nephropathy	Minimal
Liver	Eosinophilic Focus	Marked
	Hepatoblastoma	
	Hepatocellular Adenoma	
	Syncytial Alteration	Mild
	Vacuolization Cytoplasmic	Mild

Note: [HEPATOBLASTOMA] TGLs = 2-11
[Hepatoblastoma TGLS = 1-5]
[Hepatocellular Adenoma TGLS = 3-11]

Lung Alveolar/Bronchiolar Adenoma

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:55
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 191	TRT#: 3	SEX: Male	DAY ON TEST: 730
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO: 860771

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Kidney	Cortex	Cyst Multilocular	Marked
		Nephropathy	Marked
Note: [CYST MULTILOC] TGLs = 1,2-12			
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 3-5			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 192

TRT#: 3

SEX: Male

DAY ON TEST: 525

DOSE: 100MG/KG

DISP: Gavage Death

HISTO: 860772

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Gallbladder	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	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Esophagus Note: [EDEMA] TGLs = 2-9,11	Periesoph Tiss	Edema	Moderate
Liver		Syncytial Alteration Vacuolization Cytoplasmic	Minimal Mild
Lung	Alveolus	Hemorrhage	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 193

TRT#: 3

SEX: Male

DAY ON TEST: 455

DOSE: 100MG/KG

DISP: Interval Sacrifice

HISTO: 860773

OBSERVATIONS

Liver		Vacuolization Cytoplasmic	Mild
Lung	Bronchiole	Dilatation	Focal, Moderate
[Dilatation TGLS = 1-12]			

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 194	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO: 860774

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
Note: [ADENOMA] TGLs = 3-3			
Islets, Pancreatic		Adenoma	
Liver		Mixed Cell Focus	Moderate
Note: [MIXED CL FOCUS] TGLs = 2-5			
Lung		Alveolar/Bronchiolar Adenoma	
Skin		Alopecia	Mild
Note: [ALOPECIA] TGLs = 1-11			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 195

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 860775

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
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	Mammary Gland	Nose
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Parathyroid Gland

OBSERVATIONS

Kidney		Nephropathy	Minimal
Liver		Hepatocellular Adenoma	
		Syncytial Alteration	Minimal
		Vacuolization Cytoplasmic	Moderate
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Mild
Pancreas		Degeneration	Minimal
		Infiltration Cellular	Lymphocyte, Minimal
Preputial Gland	Duct	Dilatation	Marked
Note: [DILATATION] TGLs = 2-11			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 196

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 860776

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Heart
Intestine Small - Duodenum
Kidney
Nose
Prostate
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Epididymis
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Pancreas
Seminal Vesicle
Testes

Bone
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Parathyroid Gland
Skin
Thyroid Gland

Bone Marrow
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Pituitary Gland
Spleen
Trachea

MISSING

Mammary Gland

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Liver
Centrilobular
Note: [HEPATOCLR ADEN] TGLs = 1,2
Salivary Glands
Stomach
Forestomach
Note: [PAPILLOMA SQUA] TGLs = 3-13

Hepatocellular Adenoma
Hypertrophy
Syncytial Alteration
Vacuolization Cytoplasmic
Infiltration Cellular
Squamous Cell Papilloma

Multiple
Mild
Minimal
Mild
Lymphocyte, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 197

TRT#: 3

SEX: Male

DAY ON TEST: 64

DOSE: 100MG/KG

DISP: Moribund

HISTO: 860777

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Intestine Small - Ileum	Lymph Node - Mandibular	Mammary Gland
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OBSERVATIONS

Lung	Pleura	Inflammation	Suppurative, Mild
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 198

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 860778

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Nephropathy	Mild
Liver		Hepatocellular Adenoma	
	Centrilobular	Hypertrophy	Mild
		Syncytial Alteration	Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 200	TRT#: 3	SEX: Male	DAY ON TEST: 567
	DOSE: 100MG/KG	DISP: Moribund	HISTO: 860780

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Lymph Node - Mesenteric	Mammary Gland
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INSUFFICIENT TISSUE

Lymph Node - Mandibular

OBSERVATIONS

Adrenal GI
Note: ACTUALLY SECTIONED AND EXAMINED
Note: ADRENALS NOT IDENTIFIED AT MICRO
Note: SECTIONS OF SQ CELL CARC WERE

Gallbladder	Squamous Cell Carcinoma	Metastatic (Stomach)
Kidney	Squamous Cell Carcinoma	Metastatic (Stomach)
Liver	Mixed Cell Focus	Moderate
	Squamous Cell Carcinoma	Metastatic (Stomach)

Note: [SQUAM CEL CARC] TGLs = 2-2

Lymph Node
Note: MESENTERIC LYMPH NODE NOT IDENTIFIED AT MICRO
Note: SECTIONS OF SQ CELL CARC WERE
Note: ACTUALLY SECTIONED AND EXAMINED

Mesentery	Squamous Cell Carcinoma	Metastatic (Stomach)
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Note: [SQUAM CEL CARC] TGLs = 5-12,13

Pancreas	Squamous Cell Carcinoma	Metastatic (Stomach)	
Seminal Vesicle	Squamous Cell Carcinoma	Metastatic (Stomach)	
Skeletal Muscle	Diaphragm	Squamous Cell Carcinoma	Metastatic (Stomach)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 200

TRT#: 3

SEX: Male

DAY ON TEST: 567

DOSE: 100MG/KG

DISP: Moribund

HISTO: 860780

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [SQUAM CEL CARC] TGLs = 4-12

Stomach

Forestomach

Squamous Cell Carcinoma

Note: TGL1 IS FORESTOMACH

Note: [SQUAM CEL CARC] TGLs = 1-14

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 201

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 86781

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Kidney Note: [CYST] TGLs = 3-12	Cortex	Cyst	Mild
Liver	Centrilobular	Hypertrophy Syncytial Alteration	Mild Minimal
Lung		Alveolar/Bronchiolar Adenoma	
Lymph Node	Mandibular Mesenteric	Lymphoma Malignant Lymphoma Malignant	
Pancreas		Atrophy	Moderate
Preputial Gland Note: [DILATATION] TGLs = 1-11	Duct	Dilatation	Marked
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Spleen Note: [LYMPH MAL] TGLs = 2-5		Lymphoma Malignant	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 203

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 860783

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Kidney [Cyst TGLS = 3-11]	Cortex	Cyst	Mild
Liver	Centrilobular	Hepatocellular Adenoma Hypertrophy Mixed Cell Focus Syncytial Alteration	Multiple Mild Mild Minimal

Note: [HEPATOCLR ADEN] TGLs = 2-5
Note: [HEPATOCLR ADEN] TGLs = 1-12

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 204	TRT#: 3	SEX: Male	DAY ON TEST: 734
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO: 860784

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Minimal
Liver		Hepatocellular Adenoma	Multiple
	Centrilobular	Hypertrophy	Mild
		Syncytial Alteration	Minimal
Note: [HEPATOCLR ADEN] TGLs = 1,2,3-5			
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 206	TRT#: 3	SEX: Male	DAY ON TEST: 733
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO: 860786

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Kidney	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Intestine Large Note: [HYPERPLASIA] TGLs = 7-12	Cecum	Hyperplasia	Lymphoid, Moderate
Islets, Pancreatic		Hyperplasia	Moderate
Liver		Clear Cell Focus	Mild
		Hepatocellular Adenoma	Multiple
	Centrilobular	Hypertrophy	Mild
		Syncytial Alteration	Mild
Note: [HEPATOCLR ADEN] TGLs = 1,3,8-5 Note: [HEPATOCLR ADEN] TGLs = 2,9-13			
Stomach	Forestomach	Hyperplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 207

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 860787

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Intestine Large Note: [HYPERPLASIA] TGLs = 4-13	Cecum	Hyperplasia	Lymphoid, Moderate
Liver		Eosinophilic Focus	Marked
	Centrilobular	Hepatocellular Carcinoma	
		Hypertrophy	Mild
		Syncytial Alteration	Mild
Note: [HEPATOCLR CARC] TGLs = 2-12			
Preputial Gland Note: [INFLAMMATION] TGLs = 1-15		Inflammation	Suppurative, Marked
Stomach	Forestomach	Hyperplasia	Squamous, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 208

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 860788

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Kidney	Renal Tubule	Necrosis	Coagulative, Mild
Liver		Eosinophilic Focus	Marked
		Hepatocellular Adenoma	Multiple
		Syncytial Alteration	Minimal
Note: [HEPATOCLR ADEN] TGLs = 3-12			
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 2-11			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 209

TRT#: 3

SEX: Male

DAY ON TEST: 723

DOSE: 100MG/KG

DISP: Moribund

HISTO: 860789

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Pituitary Gland
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OBSERVATIONS

Harderian Gland [Adenoma TGLS = 2-13]		Adenoma	
Lymph Node [Hyperplasia TGLS = 1-11]	Mandibular	Hyperplasia	Lymphoid, Marked
Preputial Gland [Dilatation TGLS = 3-12]	Duct	Dilatation	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 210	TRT#: 3	SEX: Male	DAY ON TEST: 419
	DOSE: 100MG/KG	DISP: Dead	HISTO: 860790

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Islets, Pancreatic	Kidney	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Gallbladder	Mammary Gland	Pituitary Gland	
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AUTO PRECLUDES DIAG.

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

OBSERVATIONS

Liver		Congestion	Marked
		Syncytial Alteration	Minimal
Note: [CONGESTION] TGLs = 1-2			
Lung	Alveolar Epith	Hyperplasia	Minimal
Note: LUNG LESIONS PROB ASSOC WITH GAVAGE ERROR			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 211	TRT#: 4	SEX: Male	DAY ON TEST: 674
	DOSE: 200MG/KG	DISP: Dead	HISTO: 860791

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Islets, Pancreatic
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

AUTO PRECLUDES DIAG.

Gallbladder	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Kidney
Lymph Node - Mesenteric	Stomach - Glandular		

OBSERVATIONS

Heart	Mineralization	Moderate
Liver	Hepatocellular Adenoma	
	Necrosis	Coagulative, Moderate
	Syncytial Alteration	Mild
Lung	Inflammation	Suppurative, Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 212	TRT#: 4	SEX: Male	DAY ON TEST: 456
	DOSE: 200MG/KG	DISP: Interval Sacrifice	HISTO: 860792

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Kidney	Pelvis	Infiltration Cellular	Lymphocyte, Mild
Liver	Centrilobular	Hypertrophy	Moderate
		Syncytial Alteration	Mild
		Vacuolization Cytoplasmic	Minimal
Prostate		Infiltration Cellular	Lymphocyte, Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 213

TRT#: 4

SEX: Male

DAY ON TEST: 455

DOSE: 200MG/KG

DISP: Interval Sacrifice

HISTO: 860793

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mesenteric	Mammary Gland
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OBSERVATIONS

Liver		Hepatocellular Adenoma	
	Centrilobular	Hypertrophy	Moderate
		Syncytial Alteration	Mild
Note: [HEPATOCLR ADEN] TGLs = 1-2			
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 214	TRT#: 4	SEX: Male	DAY ON TEST: 659
	DOSE: 200MG/KG	DISP: Dead	HISTO: 860794

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

AUTO PRECLUDES DIAG.

Gallbladder

OBSERVATIONS

Liver	Angiectasis	Marked
	Congestion	Marked
	Eosinophilic Focus	Moderate
	Necrosis	Coagulative, Moderate
	Syncytial Alteration	Mild
Note: [CONGESTION] TGLs = 2-11		
Lung	Alveolar/Bronchiolar Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 215

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 200MG/KG

DISP: Terminal Sacrifice

HISTO: 860795

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mandibular	Mammary Gland
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OBSERVATIONS

Adrenal Gland Note: [PHEOCHROM BGN] TGLs = 2-3	Medulla	Pheochromocytoma Benign	
Liver		Eosinophilic Focus	
	Centrilobular	Hepatocellular Adenoma	
		Hypertrophy	Mild
		Syncytial Alteration	Mild
Preputial Gland Note: [DILATATION] TGLs = 1-11	Duct	Dilatation	Marked
Stomach	Glandular	Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 216	TRT#: 4	SEX: Male	DAY ON TEST: 730
	DOSE: 200MG/KG	DISP: Terminal Sacrifice	HISTO: 860796

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Minimal
Liver		Hepatocellular Adenoma	Multiple
	Centrilobular	Hypertrophy	Mild
		Syncytial Alteration	Mild
Note: [HEPATOCLR ADEN] TGLs = 1,2-11			
Nose	Lumen	Inflammation	Suppurative, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 217 **TRT#:** 4 **SEX:** Male **DAY ON TEST:** 729
DOSE: 200MG/KG **DISP:** Terminal Sacrifice **HISTO:** 860797

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Liver		Clear Cell Focus	Mild
		Hepatocellular Adenoma	Multiple
	Centrilobular	Hypertrophy	Mild
		Syncytial Alteration	Mild
Note: [HEPATOCLR ADEN] TGLs = 4-5			
Note: [HEPATOCLR ADEN] TGLs = 3,5-11			
Lung		Alveolar/Bronchiolar Adenoma	Multiple
Note: [ALV BRON ADEN] TGLs = 2-13			
Note: [ALV BRON ADEN] TGLs = 1-12			
Pancreas		Atrophy	Minimal
Thyroid Gland	Follicular Cel	Adenoma	
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 218

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 200MG/KG

DISP: Terminal Sacrifice

HISTO: 860798

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Intestine Small	Ileum	Hyperplasia	Lymphoid, Moderate
	Ileum, Lymphoid Tiss	Inflammation	Suppurative, Mild
Liver	Centrilobular	Hepatocellular Adenoma	Multiple
		Hypertrophy	Minimal
		Syncytial Alteration	Mild
Note: [HEPATOCLR ADEN] TGLs = 1,3-5			
Note: [HEPATOCLR ADEN] TGLs = 4-11			
Lung	Alveolar Epith	Alveolar/Bronchiolar Adenoma	
	Fat	Hyperplasia	Mild
Mesentery	Fat	Hemorrhage	Mild
	Fat	Inflammation	Chronic, Moderate
Note: [HEMORRHAGE] TGLs = 2-12			
Note: [INFLAMMATION] TGLs = 2-12			
Prostate		Infiltration Cellular	Lymphocyte, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Papillary, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 220

TRT#: 4

SEX: Male

DAY ON TEST: 733

DOSE: 200MG/KG

DISP: Terminal Sacrifice

HISTO: 860800

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Cecum
Intestine Small - Jejunum
Lymph Node - Mesenteric
Pituitary Gland
Stomach - Forestomach
Thyroid Gland

Adrenal Gland - Medulla
Esophagus
Intestine Large - Colon
Islets, Pancreatic
Nose
Seminal Vesicle
Stomach - Glandular
Trachea

Bone
Gallbladder
Intestine Small - Duodenum
Lung
Pancreas
Skin
Testes
Urinary Bladder

Bone Marrow
Heart
Intestine Small - Ileum
Lymph Node - Mandibular
Parathyroid Gland
Spleen
Thymus

MISSING

Mammary Gland

INSUFFICIENT TISSUE

Intestine Large - Rectum

OBSERVATIONS

Epididymis
Kidney
Liver
Prostate
Salivary Glands

Infiltration Cellular
Infiltration Cellular
Syncytial Alteration
Infiltration Cellular
Infiltration Cellular

Lymphocyte, Minimal
Lymphocyte, Minimal
Mild
Lymphocyte, Minimal
Lymphocyte, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 221	TRT#: 4	SEX: Male	DAY ON TEST: 734
	DOSE: 200MG/KG	DISP: Terminal Sacrifice	HISTO: 860801

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Gallbladder	Intestine Large - Rectum	Mammary Gland	Pituitary Gland
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OBSERVATIONS

Heart		Inflammation	Chronic, Mild
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
	Centrilobular	Hypertrophy	Mild
Note: [HEPATOCLR CARC] TGLs = 3-5			
Note: [HEPATOCLR ADEN] TGLs = 4			
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 2-13			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 222

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 200MG/KG

DISP: Terminal Sacrifice

HISTO: 860802

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
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	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland	Pituitary Gland
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INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Kidney		Fibrosis	Mild
Liver		Clear Cell Focus	Mild
		Hepatocellular Adenoma	
	Centrilobular	Hypertrophy	Mild
Note: [HEPATOCLR ADEN] TGLs = 3			
Note: [CLEAR CL FOCUS] TGLs = 3-12			
Lung		Alveolar/Bronchiolar Adenoma	Multiple
Note: [ALV BRON ADEN] TGLs = 1,2-11			
Lymph Node	Mandibular	Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	
	Mesenteric	Lymphoma Malignant	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 223

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 200MG/KG

DISP: Terminal Sacrifice

HISTO: 860803

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Liver		Eosinophilic Focus	Moderate
		Hepatocellular Adenoma	Multiple
	Centrilobular	Hypertrophy	Minimal
		Syncytial Alteration	Mild
Lung		Alveolar/Bronchiolar Adenoma	
Preputial Gland	Duct	Dilatation	Marked

Note: [DILATATION] TGLs = 3-11

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 1 AND 7 ARE IN SAME LIVER LOBE

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 224 **TRT#:** 4 **SEX:** Male **DAY ON TEST:** 712
DOSE: 200MG/KG **DISP:** Moribund **HISTO:** 860804

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Liver		Hepatocellular Adenoma	Multiple
	Centrilobular	Hypertrophy	Minimal
		Syncytial Alteration	Minimal
Note: [HEPATOCLR ADEN]	TGLs = 1-5		
Lymph Node	Mesenteric	Lymphoma Malignant Histiocytic	
	Pancreatic	Lymphoma Malignant Histiocytic	
Note: LYMPHOMA SUGGESTS THE FOLLICULAR CENTER TYPE			
Note: [LYMPH MAL HIST]	TGLs = 2-11		
Note: [LYMPH MAL HIST]	TGLs = 3-13		
Skin		Inflammation	Chronic Active, Marked
		Ulcer	Marked
Note: [ULCER]	TGLs = 4-12		
Spleen		Lymphoma Malignant Histiocytic	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 225	TRT#: 4	SEX: Male	DAY ON TEST: 733
	DOSE: 200MG/KG	DISP: Terminal Sacrifice	HISTO: 860805

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Pituitary Gland
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INSUFFICIENT TISSUE

Parathyroid Gland

OBSERVATIONS

Liver	Mixed Cell Focus	Mild
	Syncytial Alteration	Mild
	Vacuolization Cytoplasmic	Mild
Lung	Alveolar/Bronchiolar Adenoma	Multiple
Note: [ALV BRON ADEN]	TGLs = 2-11	
Note: [ALV BRON ADEN]	TGLs = 1-12	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 226	TRT#: 4	SEX: Male	DAY ON TEST: 733
	DOSE: 200MG/KG	DISP: Terminal Sacrifice	HISTO: 860806

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Pituitary Gland
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OBSERVATIONS

Liver		Hepatocellular Adenoma	
	Centrilobular	Hypertrophy	Mild
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 1-11			
Nose	Lumen	Inflammation	Suppurative, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 227

TRT#: 4

SEX: Male

DAY ON TEST: 498

DOSE: 200MG/KG

DISP: Moribund

HISTO: 860807

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mandibular	Mammary Gland	Thymus
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OBSERVATIONS

Liver		Angiectasis	Moderate
		Basophilic Focus	Mild
		Congestion	Marked
	Centrilobular	Hypertrophy	Mild
		Necrosis	Coagulative, Moderate
		Syncytial Alteration	Minimal
[Basophilic Focus TGLS = 2-12]			
[Congestion TGLS = 1-12]			
[Necrosis TGLS = 1-12]			
Lung	Bronchiole, Epithelium	Necrosis	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 228

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 200MG/KG

DISP: Terminal Sacrifice

HISTO: 860808

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Intestine Large - Rectum	Mammary Gland	Pituitary Gland
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OBSERVATIONS

Intestine Large Note: [INFLAMMATION] TGLs = 3-11	Cecum	Inflammation	Chronic, Marked
Kidney		Infiltration Cellular	Lymphocyte, Moderate
Liver		Eosinophilic Focus	Mild
	Centrilobular	Hepatocellular Adenoma	
		Hypertrophy	Mild
		Syncytial Alteration	Minimal
Preputial Gland Note: [DILATATION] TGLs = 1-13	Duct	Dilatation	Marked
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Spleen Note: [HYPERPLASIA] TGLs = 2-5		Hyperplasia	Lymphoid, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 229

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 200MG/KG

DISP: Terminal Sacrifice

HISTO: 860809

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Liver	Centrilobular	Hypertrophy	Mild
		Syncytial Alteration	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 230	TRT#: 4	SEX: Male	DAY ON TEST: 734
	DOSE: 200MG/KG	DISP: Terminal Sacrifice	HISTO: 860810

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mesenteric	Mammary Gland
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OBSERVATIONS

Liver	Centrilobular	Hepatocellular Adenoma	
		Hypertrophy	Minimal
		Syncytial Alteration	Mild
		Vacuolization Cytoplasmic	Mild

Note: [HEPATOCLR ADEN] TGLs = 2-11

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Coumarin

CAS Number: 91-64-5

Date Report Requested: 10/21/2014

Time Report Requested: 16:21:56

First Dose M/F: NA / NA

Lab: AM BIO

ANIMAL ID: 231

TRT#: 4

SEX: Male

DAY ON TEST: 733

DOSE: 200MG/KG

DISP: Terminal Sacrifice

HISTO: 860811

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Epididymis

Esophagus

Gallbladder

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Lymph Node - Mandibular

Lymph Node - Mesenteric

Nose

Pancreas

Parathyroid Gland

Pituitary Gland

Prostate

Salivary Glands

Seminal Vesicle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Testes

Thymus

Trachea

Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Kidney

Infiltration Cellular

Lymphocyte, Mild

Liver

Eosinophilic Focus

Marked

Centrilobular

Hypertrophy

Mild

Syncytial Alteration

Mild

Lung

Alveolar/Bronchiolar Adenoma

Thyroid Gland

Follicular Cel

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 232	TRT#: 4	SEX: Male	DAY ON TEST: 730
	DOSE: 200MG/KG	DISP: Terminal Sacrifice	HISTO: 860812

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Intestine Large - Rectum	Mammary Gland	Pituitary Gland
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OBSERVATIONS

Liver		Eosinophilic Focus	Mild
		Hepatocellular Adenoma	Multiple
	Centrilobular	Hypertrophy	Mild
		Syncytial Alteration	Mild
[Hepatocellular Adenoma TGLS = 2,4,5-11]			
Preputial Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 1-12]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 233

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 200MG/KG

DISP: Terminal Sacrifice

HISTO: 860813

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
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	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Kidney		Nephropathy	Mild
Liver		Hepatocellular Adenoma	Multiple
	Centrilobular	Hypertrophy	Mild
		Syncytial Alteration	Mild
Note: [HEPATOCLR ADEN] TGLs = 1,2			
Lung		Alveolar/Bronchiolar Adenoma	
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Moderate
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 234	TRT#: 4	SEX: Male	DAY ON TEST: 730
	DOSE: 200MG/KG	DISP: Terminal Sacrifice	HISTO: 860814

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Liver		Hepatocellular Adenoma	Multiple
	Centrilobular	Hypertrophy	Minimal
		Syncytial Alteration	Mild
Lung		Alveolar/Bronchiolar Adenoma	
	Bronchiole, Epithelium	Hyperplasia	Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 235

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 200MG/KG

DISP: Terminal Sacrifice

HISTO: 860815

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Liver	Centrilobular	Hypertrophy Syncytial Alteration	Mild Mild
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 1-12			
Pancreas		Infiltration Cellular	Lymphocyte, Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 237

TRT#: 4

SEX: Male

DAY ON TEST: 455

DOSE: 200MG/KG

DISP: Interval Sacrifice

HISTO: 860817

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Liver	Centrilobular	Hypertrophy Syncytial Alteration	Mild Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 238	TRT#: 4	SEX: Male	DAY ON TEST: 729
	DOSE: 200MG/KG	DISP: Terminal Sacrifice	HISTO: 860818

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Infiltration Cellular	Lymphocyte, Minimal
Liver		Hepatoblastoma	
		Hepatocellular Carcinoma	
	Centrilobular	Hypertrophy	Mild
		Syncytial Alteration	Mild
Note: [HEPATOBLASTOMA] TGLs = 1-11			
Note: [HEPATOCLR CARC] TGLs = 2-11			
Lung	Alveolar Epith	Hyperplasia	Moderate
Pancreas		Infiltration Cellular	Lymphocyte, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 240

TRT#: 4

SEX: Male

DAY ON TEST: 733

DOSE: 200MG/KG

DISP: Terminal Sacrifice

HISTO: 860820

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Clear Cell Focus	Mild
Liver		Clear Cell Focus	Mild
		Hepatocellular Adenoma	Multiple
	Centrilobular	Hypertrophy	Minimal
		Syncytial Alteration	Mild
		Vacuolization Cytoplasmic	Moderate
Lung		Alveolar/Bronchiolar Carcinoma	
Note: [ALV BRON CARC] TGLs = 1-4			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 241	TRT#: 4	SEX: Male	DAY ON TEST: 730
	DOSE: 200MG/KG	DISP: Terminal Sacrifice	HISTO: 860821

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Liver		Eosinophilic Focus	Marked
		Hepatocellular Adenoma	Multiple
	Centrilobular	Hypertrophy	Minimal
		Syncytial Alteration	Mild
Note: [HEPATOCLR ADEN] TGLs = 1-11,2-12,3-13			
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 243

TRT#: 4

SEX: Male

DAY ON TEST: 734

DOSE: 200MG/KG

DISP: Terminal Sacrifice

HISTO: 860823

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mandibular	Mammary Gland
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OBSERVATIONS

Liver		Eosinophilic Focus	Mild
		Hepatocellular Adenoma	
	Centrilobular	Hypertrophy	Mild
		Syncytial Alteration	Minimal
Note: [HEPATOCLR ADEN] TGLs = 2-12			
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 3-14			
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 244	TRT#: 4	SEX: Male	DAY ON TEST: 177
	DOSE: 200MG/KG	DISP: Dead	HISTO: 860824

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Kidney	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Testes
Thymus	Thyroid Gland	Trachea	

MISSING

Mammary Gland	Parathyroid Gland
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AUTO PRECLUDES DIAG.

Gallbladder	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Pancreas	Stomach - Glandular	Urinary Bladder	

OBSERVATIONS

Liver		Congestion	Moderate
	Centrilobular	Hypertrophy	Minimal
		Syncytial Alteration	Mild
Lung		Congestion	Moderate
	[Congestion TGLS = 1-3]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 245

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 200MG/KG

DISP: Terminal Sacrifice

HISTO: 860825

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Islets, Pancreatic		Adenoma	
Liver		Eosinophilic Focus	Marked
		Hepatocellular Adenoma	
	Centrilobular	Hypertrophy	Minimal
		Syncytial Alteration	Mild
Note: [HEPATOCLR ADEN] TGLs = 3-11			
Note: [HEPATOCLR ADEN] TGLs = 4-12			
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 1-13			
Nose	Lumen	Inflammation	Suppurative, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Spleen		Hyperplasia	Lymphoid, Mild
Note: [HYPERPLASIA] TGLs = 2-5			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 247	TRT#: 4	SEX: Male	DAY ON TEST: 456
	DOSE: 200MG/KG	DISP: Interval Sacrifice	HISTO: 860827

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mandibular	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Liver	Centrilobular	Hypertrophy	Moderate
		Syncytial Alteration	Mild
Lung		Alveolar/Bronchiolar Adenoma	

PRIMARY CAUSE OF DEATH -

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 250	TRT#: 4	SEX: Male	DAY ON TEST: 558
	DOSE: 200MG/KG	DISP: Dead	HISTO: 860830

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
Heart	Islets, Pancreatic	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Thyroid Gland
Trachea			

MISSING

Mammary Gland

AUTO PRECLUDES DIAG.

Bone Marrow	Brain	Epididymis	Gallbladder
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Urinary Bladder	

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Kidney		Glomerulosclerosis	Moderate
Liver		Hepatocellular Carcinoma	
	Centrilobular	Hypertrophy	Mild
		Syncytial Alteration	Mild
Note: [HEPATOCLR CARC] TGLs = 1-2			
Lung		Alveolar/Bronchiolar Adenoma	
		Hepatocellular Carcinoma	Metastatic (Uncertain Primary Site)
Note: PRIMARY NOT SPECIFIED OR UNCERTAIN			
Note: [ALV BRON ADEN] TGLs = 2-12			
Lymph Node	Mesenteric	Congestion	Marked
Note: [CONGESTION] TGLs = 3-4			

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 251	TRT#: 4	SEX: Male	DAY ON TEST: 323
	DOSE: 200MG/KG	DISP: Dead	HISTO: 860831

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Heart	Islets, Pancreatic
Kidney	Lymph Node - Mesenteric	Nose	Pancreas
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Adrenal Gland - Medulla	Gallbladder	Lymph Node - Mandibular	Mammary Gland
Parathyroid Gland	Pituitary Gland		

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

Liver		Clear Cell Focus	Mild
	Centrilobular	Hypertrophy	Mild
		Syncytial Alteration	Mild
Lung		Congestion	Moderate

[Congestion TGLS = 2-3]

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 252 **TRT#:** 4 **SEX:** Male **DAY ON TEST:** 661
DOSE: 200MG/KG **DISP:** Dead **HISTO:** 860832

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

AUTO PRECLUDES DIAG.

Gallbladder	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum		

OBSERVATIONS

Liver	Centrilobular	Congestion Hypertrophy Necrosis Syncytial Alteration	Marked Minimal Coagulative, Marked Mild
Note: [CONGESTION] TGLs = 3-5 Note: [NECROSIS] TGLs = 3-5			
Lung	Bronchiole, Epithelium	Necrosis	Mild
Mesentery	Fat	Necrosis	Coagulative, Mild
Note: [NECROSIS] TGLs = 1-11			
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 253

TRT#: 4

SEX: Male

DAY ON TEST: 608

DOSE: 200MG/KG

DISP: Moribund

HISTO: 860833

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Heart		Mineralization	Mild
Intestine Large	Cecum	Necrosis	Coagulative, Moderate
Liver		Eosinophilic Focus	Mild
		Necrosis	Coagulative, Marked
		Syncytial Alteration	Moderate

Note: [NECROSIS] TGLs = 1-12

Note: [NECROSIS] TGLs = 3-13

Lung	Alveolar Epith	Hyperplasia	Mild
Lymph Node	Mesenteric	Congestion	Moderate
Prostate		Inflammation	Suppurative, Mild
Urethra		Inflammation	Chronic Active, Marked

Note: TGL 2 IS URETHRA

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 254

TRT#: 4

SEX: Male

DAY ON TEST: 476

DOSE: 200MG/KG

DISP: Dead

HISTO: 860834

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Basophilic Focus	Moderate
Liver		Congestion	Marked
		Hepatocellular Adenoma	
		Necrosis	Coagulative, Mild
		Syncytial Alteration	Moderate
Note: [NECROSIS] TGLs = 2-2			
Note: [HEPATOCLER ADEN] TGLs = 1-2			
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 256

TRT#: 4

SEX: Male

DAY ON TEST: 455

DOSE: 200MG/KG

DISP: Interval Sacrifice

HISTO: 860836

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Heart
Intestine Small - Duodenum
Kidney
Pancreas
Salivary Glands
Stomach - Forestomach
Thyroid Gland

Adrenal Gland - Medulla
Epididymis
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Parathyroid Gland
Seminal Vesicle
Stomach - Glandular
Trachea

Bone
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Pituitary Gland
Skin
Testes
Urinary Bladder

Bone Marrow
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Nose
Prostate
Spleen
Thymus

MISSING

Mammary Gland

OBSERVATIONS

Liver
Lung

Syncytial Alteration
Alveolar/Bronchiolar Adenoma

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 257

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 200MG/KG

DISP: Terminal Sacrifice

HISTO: 860837

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Liver	Centrilobular	Hypertrophy	Mild
		Syncytial Alteration	Mild
Lung		Alveolar/Bronchiolar Adenoma	Multiple
Preputial Gland	Duct	Dilatation	Moderate
Note: [DILATATION] TGLs = 1-11			
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 258

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 200MG/KG

DISP: Terminal Sacrifice

HISTO: 860838

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Heart
Intestine Small - Duodenum
Lung
Pancreas
Seminal Vesicle
Stomach - Glandular
Trachea

Adrenal Gland - Medulla
Epididymis
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Parathyroid Gland
Skin
Testes

Bone
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Prostate
Spleen
Thymus

Bone Marrow
Gallbladder
Intestine Large - Rectum
Kidney
Nose
Salivary Glands
Stomach - Forestomach
Thyroid Gland

MISSING

Mammary Gland

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Islets, Pancreatic
Liver

Centrilobular

Adenoma
Clear Cell Focus
Hepatocellular Adenoma
Hypertrophy
Syncytial Alteration
Infiltration Cellular

Minimal

Minimal

Mild

Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 259	TRT#: 4	SEX: Male	DAY ON TEST: 730
	DOSE: 200MG/KG	DISP: Terminal Sacrifice	HISTO: 860839

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Heart		Mineralization	Mild
Kidney	Collect Tub	Necrosis	Coagulative, Mild
Liver		Clear Cell Focus	Minimal
	Centrilobular	Hypertrophy	Mild
		Syncytial Alteration	Mild
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 1-11			
Nose	Lumen	Inflammation	Suppurative, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 260 **TRT#:** 4 **SEX:** Male **DAY ON TEST:** 687
DOSE: 200MG/KG **DISP:** Dead **HISTO:** 860840

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Rectum	Islets, Pancreatic	Kidney	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland	Parathyroid Gland	Pituitary Gland
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AUTO PRECLUDES DIAG.

Gallbladder	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Stomach - Forestomach	Stomach - Glandular
Thymus			

OBSERVATIONS

Liver		Congestion	Marked
		Hepatocellular Adenoma	
	Centrilobular	Hypertrophy	Mild
		Necrosis	Coagulative, Moderate
		Syncytial Alteration	Mild
Note: [CONGESTION] TGLs = 2-12			
Note: [HEPATOCLR ADEN] TGLs = 1-12			
Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Mild
Note: [ALV BRON ADEN] TGLs = 3-11			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 262	TRT#: 4	SEX: Male	DAY ON TEST: 729
	DOSE: 200MG/KG	DISP: Terminal Sacrifice	HISTO: 860842

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Liver		Basophilic Focus	Mild
		Hepatocellular Adenoma	Multiple
	Centrilobular	Hypertrophy	Mild
		Syncytial Alteration	Mild
Note: [HEPATOCLR ADEN] TGLs = 2,3-12			
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 1-6,11			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Coumarin

CAS Number: 91-64-5

Date Report Requested: 10/21/2014

Time Report Requested: 16:21:56

First Dose M/F: NA / NA

Lab: AM BIO

ANIMAL ID: 263

TRT#: 4

SEX: Male

DAY ON TEST: 412

DOSE: 200MG/KG

DISP: Dead

HISTO: 860843

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Heart
Lymph Node - Mesenteric
Salivary Glands
Testes

Adrenal Gland - Medulla
Epididymis
Islets, Pancreatic
Nose
Seminal Vesicle
Thyroid Gland

Bone
Esophagus
Lung
Pancreas
Skin
Trachea

Bone Marrow
Gallbladder
Lymph Node - Mandibular
Prostate
Spleen
Urinary Bladder

MISSING

Mammary Gland

Parathyroid Gland

Pituitary Gland

Thymus

AUTO PRECLUDES DIAG.

Intestine Large - Cecum
Intestine Small - Ileum
Stomach - Glandular

Intestine Large - Colon
Intestine Small - Jejunum

Intestine Large - Rectum
Kidney

Intestine Small - Duodenum
Stomach - Forestomach

OBSERVATIONS

Liver

Centrilobular

Congestion
Hypertrophy
Syncytial Alteration

Marked
Minimal
Moderate

[Congestion TGLS = 1-2]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 265

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 200MG/KG

DISP: Terminal Sacrifice

HISTO: 860845

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Infiltration Cellular	Lymphocyte, Mild
Liver	Centrilobular	Hypertrophy	Mild
		Syncytial Alteration	Mild
Lung		Alveolar/Bronchiolar Adenoma	
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 266

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 200MG/KG

DISP: Terminal Sacrifice

HISTO: 860846

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Liver	Centrilobular	Hypertrophy	Mild
		Syncytial Alteration	Mild
		Vacuolization Cytoplasmic	Mild
Lung	Alveolar Epith	Hyperplasia	Mild
Preputial Gland	Duct	Dilatation	Marked
Note: [DILATATION] TGLs = 1-11			
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 267

TRT#: 4

SEX: Male

DAY ON TEST: 455

DOSE: 200MG/KG

DISP: Interval Sacrifice

HISTO: 860847

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Gallbladder	Mammary Gland
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OBSERVATIONS

Kidney		Nephropathy	Mild
Liver		Hepatocellular Adenoma	
	Centrilobular	Hypertrophy	Moderate
		Syncytial Alteration	Mild
Note: [HEPATOCLR ADEN] TGLs = 2-2			
Skin		Hemorrhage	Mild
Note: [HEMORRHAGE] TGLs = 1-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 268

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 200MG/KG

DISP: Terminal Sacrifice

HISTO: 860848

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
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	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Liver		Clear Cell Focus	Mild
		Eosinophilic Focus	Moderate
		Hepatocellular Adenoma	Multiple
		Syncytial Alteration	Minimal
		Vacuolization Cytoplasmic	Mild
Note: [HEPATOCLR ADEN] TGLs = 4-5,13,14			
Lung		Alveolar/Bronchiolar Adenoma	Multiple
Lymph Node	Mesenteric	Lymphoma Malignant Histiocytic	
Note: [LYMPH MAL HIST] TGLs = 2-12			
Mesentery	Fat	Necrosis	Coagulative, Moderate
Note: [NECROSIS] TGLs = 1-11			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 269	TRT#: 4	SEX: Male	DAY ON TEST: 733
	DOSE: 200MG/KG	DISP: Terminal Sacrifice	HISTO: 860849

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Kidney		Nephropathy	Mild
Liver	Centrilobular	Hypertrophy	Mild
		Syncytial Alteration	Mild
Preputial Gland	Duct	Dilatation	Marked

Note: [DILATATION] TGLs = 1-11

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 270

TRT#: 4

SEX: Male

DAY ON TEST: 456

DOSE: 200MG/KG

DISP: Interval Sacrifice

HISTO: 860850

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Gallbladder	Mammary Gland
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OBSERVATIONS

Liver	Centrilobular	Hypertrophy	Moderate
		Syncytial Alteration	Mild
Stomach	Glandular	Mineralization	Mild
Note: [MINERALIZATION] TGLs = 1-12			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 271

TRT#: 4

SEX: Male

DAY ON TEST: 456

DOSE: 200MG/KG

DISP: Interval Sacrifice

HISTO: 860851

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Eye		Inflammation	Chronic, Diffuse, Moderate
Note: EYE INFLAMMATION INVOLVES ALL ANATOMIC STRUCTURES OF GLOBE.			
Harderian Gland		Adenoma	
Liver		Clear Cell Focus	Mild
	Centrilobular	Hypertrophy	Moderate
		Syncytial Alteration	Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 272

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 200MG/KG

DISP: Terminal Sacrifice

HISTO: 860852

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Liver		Eosinophilic Focus	Moderate
	Centrilobular	Hypertrophy	Mild
		Syncytial Alteration	Mild
Lymph Node	Mesenteric	Congestion	Mild

Note: [CONGESTION] TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 273	TRT#: 4	SEX: Male	DAY ON TEST: 692
	DOSE: 200MG/KG	DISP: Dead	HISTO: 860853

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Islets, Pancreatic
Kidney	Lymph Node - Mandibular	Nose	Pancreas
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Testes	Thymus
Thyroid Gland	Trachea		

MISSING

Mammary Gland	Parathyroid Gland	Pituitary Gland	
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AUTO PRECLUDES DIAG.

Gallbladder	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Lymph Node - Mesenteric
Stomach - Glandular	Urinary Bladder		

OBSERVATIONS

Heart		Mineralization	Minimal
Liver	Centrilobular	Hypertrophy	Minimal
		Necrosis	Coagulative, Marked
		Syncytial Alteration	Mild
Note: [NECROSIS] TGLs = 1-5			
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 2-11			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 274	TRT#: 4	SEX: Male	DAY ON TEST: 541
	DOSE: 200MG/KG	DISP: Dead	HISTO: 860854

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Islets, Pancreatic	Kidney	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Pituitary Gland	Prostate	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland	Parathyroid Gland
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AUTO PRECLUDES DIAG.

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

OBSERVATIONS

Liver		Fatty Change	Mild
		Hepatocellular Adenoma	Multiple
	Centrilobular	Hypertrophy	Mild
		Syncytial Alteration	Mild
Note: [FATTY CHANGE] TGLs = 3-2			
Note: [HEPATOCLR ADEN] TGLs = 1,2-2			
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 275	TRT#: 4	SEX: Male	DAY ON TEST: 729
	DOSE: 200MG/KG	DISP: Terminal Sacrifice	HISTO: 860855

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Liver		Clear Cell Focus	Mild
		Hepatocellular Adenoma	Multiple
	Centrilobular	Hypertrophy	Mild
		Syncytial Alteration	Mild
Note: [HEPATOCLR ADEN] TGLs = 2-12 [Hepatocellular Adenoma TGLS = 3-13]			
Skin		Alopecia	Mild
Note: [ALOPECIA] TGLs = 1-11			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 276

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 200MG/KG

DISP: Terminal Sacrifice

HISTO: 860856

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mandibular	Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Minimal
Liver		Clear Cell Focus	Mild
		Eosinophilic Focus	Minimal
	Centrilobular	Hypertrophy	Minimal
		Syncytial Alteration	Mild
Note: [CLEAR CL FOCUS] TGLs = 2-5			
Note: [CLEAR CL FOCUS] TGLs = 1-11			
Lung		Alveolar/Bronchiolar Adenoma	
Pancreas		Infiltration Cellular	Lymphocyte, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 277	TRT#: 4	SEX: Male	DAY ON TEST: 729
	DOSE: 200MG/KG	DISP: Terminal Sacrifice	HISTO: 860857

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Heart		Infiltration Cellular	Lymphocyte, Minimal
Liver		Eosinophilic Focus	Moderate
		Hepatocellular Adenoma	
	Centrilobular	Hypertrophy	Mild
		Syncytial Alteration	Mild
Note: [HEPATOCLR ADEN]	TGLs = 1-5		
Note: [HEPATOCLR ADEN]	TGLs = 2-11		
Note: [EOSIN FOCUS]	TGLs = 1		
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 278

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 200MG/KG

DISP: Terminal Sacrifice

HISTO: 860858

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Liver		Developmental Malformation	
		Eosinophilic Focus	Mild
	Centrilobular	Hypertrophy	Minimal
		Syncytial Alteration	Minimal
Note: [DEVELOP MALFOR] TGLs = 2-5			
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Moderate
Note: [HYPERPLASIA] TGLs = 1-7			
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Thyroid Gland	Follicular Cel	Cyst	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 279 **TRT#:** 4 **SEX:** Male **DAY ON TEST:** 455
DOSE: 200MG/KG **DISP:** Interval Sacrifice **HISTO:** 860859

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Gallbladder	Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Kidney	Pelvis	Infiltration Cellular	Lymphocyte, Mild
Liver		Clear Cell Focus	Mild
		Hepatocellular Adenoma	
	Centrilobular	Hypertrophy	Moderate
		Syncytial Alteration	Mild
Note: [HEPATOCLR ADEN] TGLs = 1-2			
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 2-11			
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 280	TRT#: 4	SEX: Male	DAY ON TEST: 734
	DOSE: 200MG/KG	DISP: Terminal Sacrifice	HISTO: 860860

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Epididymis		Inflammation	Chronic, Moderate
Kidney	Glomerulus	Inflammation	Chronic, Moderate
Liver		Basophilic Focus	Mild
		Histiocytic Sarcoma	
	Centrilobular	Hypertrophy	Minimal
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 1-11			
Lymph Node		Histiocytic Sarcoma	
Nose		Fungus	Moderate
		Inflammation	Suppurative, Moderate
Pancreas		Infiltration Cellular	Lymphocyte, Mild
Spleen		Histiocytic Sarcoma	
Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH -

Animal Note: MALIGNANT LYMPHOMA PROBABLY FITS THE

Animal Note: HISTOCYTIC TYPE CLASSIFICATION

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 1	TRT#: 5	SEX: Female	DAY ON TEST: 734
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860861

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Ovary	Follicle	Cyst	Marked
Note: [CYST] TGLs = 1-11			
Pancreas		Infiltration Cellular	Lymphocyte, Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hydrometra	Mild
Note: [HYDROMETRA] TGLs = 2-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 2	TRT#: 5	SEX: Female	DAY ON TEST: 734
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860862

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 2-12			
Pancreas		Infiltration Cellular	Lymphocyte, Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Mild
Note: [HYPERPLASIA] TGLs = 1-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 3	TRT#: 5	SEX: Female	DAY ON TEST: 589
	DOSE: VEHICLE CONTROL	DISP: Dead	HISTO: 860863

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Islets, Pancreatic
Parathyroid Gland	Salivary Glands	Skin	Thyroid Gland
Trachea			

MISSING

Mammary Gland	Pituitary Gland	Stomach - Glandular	
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AUTO PRECLUDES DIAG.

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

Adrenal Gland	Cortex	Lymphoma Malignant	
Bone Marrow		Lymphoma Malignant	
Heart		Lymphoma Malignant	
Kidney		Lymphoma Malignant	
Liver		Lymphoma Malignant	
Note: [LYMPH MAL] TGLs = 2-5			
Lung		Lymphoma Malignant	
Lymph Node	Mandibular	Lymphoma Malignant	
	Mesenteric	Lymphoma Malignant	
Note: [LYMPH MAL] TGLs = 4-7			
Nose		Lymphoma Malignant	
Ovary		Lymphoma Malignant	
Pancreas		Lymphoma Malignant	
Spleen		Lymphoma Malignant	
Note: [LYMPH MAL] TGLs = 1-5,11			
Stomach	Forestomach	Lymphoma Malignant	
Thymus		Lymphoma Malignant	
Note: [LYMPH MAL] TGLs = 3-3			
Urinary Bladder		Lymphoma Malignant	
Uterus		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Coumarin

CAS Number: 91-64-5

Date Report Requested: 10/21/2014

Time Report Requested: 16:21:56

First Dose M/F: NA / NA

Lab: AM BIO

ANIMAL ID: 3

TRT#: 5

SEX: Female

DAY ON TEST: 589

DOSE: VEHICLE CONTROL

DISP: Dead

HISTO: 860863

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

Animal Note: AUTOLYTIC CHANGE MAKES TYPING IMPOSSIBLE

Animal Note: MALIGNANT LYMPHOMA IS PROBABLY OF A MIXED TYPE.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 4	TRT#: 5	SEX: Female	DAY ON TEST: 367
	DOSE: VEHICLE CONTROL	DISP: Moribund	HISTO: 860864

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	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	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Brain	Hypothalamus	Compression	
Note: [COMPRESSION] TGLs = 3-7			
Kidney		Infiltration Cellular	Lymphocyte, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 4-4			

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 5 **TRT#:** 5 **SEX:** Female **DAY ON TEST:** 694
DOSE: VEHICLE CONTROL **DISP:** Moribund **HISTO:** 860865

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Moderate
Liver		Hepatocellular Adenoma	
		Necrosis	Coagulative, Marked
Note: [NECROSIS] TGLs = 3-11			
Note: [HEPATOCLR ADEN] TGLs = 3			
Ovary	Follicle	Cyst	Marked
Note: [CYST] TGLs = 1-12			
Pancreas		Infiltration Cellular	Lymphocyte, Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hydrometra	Moderate
Note: [HYDROMETRA] TGLs = 2-8			

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 6	TRT#: 5	SEX: Female	DAY ON TEST: 456
	DOSE: VEHICLE CONTROL	DISP: Interval Sacrifice	HISTO: 860866

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland Note: ADRENAL-A CELL HYPERPLASIA.	Spindle Cell	Hyperplasia	Mild
Kidney	Pelvis	Infiltration Cellular	Lymphocyte, Minimal
Pancreas		Fibrosis	Mild
Uterus Note: [HYPERPLASIA] TGLs = 1-5		Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 7	TRT#: 5 DOSE: VEHICLE CONTROL	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 734 HISTO: 860867
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node - Mesenteric	Mammary Gland	Nose	Pituitary Gland
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea		

INSUFFICIENT TISSUE

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Minimal
Eye		Cataract	Mild
Note: [CATARACT] TGLs = 6-11			
Harderian Gland		Adenoma	
Note: [ADENOMA] TGLs = 7-12			
Liver		Hepatocellular Adenoma	
Lung		Congestion	Moderate
Note: [CONGESTION] TGLs = 2-6			
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
Ovary	Follicle	Cyst	Moderate
Note: [CYST] TGLs = 4-8			
Pancreas		Infiltration Cellular	Lymphocyte, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Spleen		Angiectasis	Moderate
		Inflammation	Suppurative, Moderate
Note: [ANGIECTASIS] TGLs = 3-5			
Note: [INFLAMMATION] TGLs = 3-5			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Moderate
Uterus		Hyperplasia	Cystic, Moderate
Note: [HYPERPLASIA] TGLs = 5-8			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 7	TRT#: 5	SEX: Female	DAY ON TEST: 734
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860867

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 8	TRT#: 5	SEX: Female	DAY ON TEST: 673
	DOSE: VEHICLE CONTROL	DISP: Moribund	HISTO: 860868

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Pituitary Gland	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	

MISSING

Parathyroid Gland	Urinary Bladder
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OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Salivary Glands		Leiomyosarcoma	Metastatic (Uncertain Primary Site)
Note: PRIMARY NOT SPECIFIED OR UNCERTAIN			
Skeletal Muscle		Leiomyosarcoma	Metastatic (Uncertain Primary Site)
Note: PRIMARY NOT SPECIFIED OR UNCERTAIN			
Skin	Subcut Tiss	Leiomyosarcoma	
Note: [LEIOMYOSAR] TGLs = 1-11			
Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 9	TRT#: 5	SEX: Female	DAY ON TEST: 733
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860869

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Pancreas		Infiltration Cellular	Lymphocyte, Mild
Pituitary Gland	Pars Distalis	Cyst	Moderate
Uterus		Hyperplasia	Cystic, Moderate

Note: [HYPERPLASIA] TGLs = 1-8

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 10

TRT#: 5

SEX: Female

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 860870

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea

OBSERVATIONS

Adrenal Gland Note: [PHEOCHROM BGN] TGLs = 4-3	Medulla	Pheochromocytoma Benign	
Mesentery Note: [NECROSIS] TGLs = 3-12	Fat	Necrosis	Coagulative, Mild
Ovary Note: [HEMATOCYST] TGLs = 2-11		Hematocyst	Marked
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus Note: [HYDROMETRA] TGLs = 1-8		Hydrometra	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 12	TRT#: 5	SEX: Female	DAY ON TEST: 734
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860872

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea		

MISSING

Parathyroid Gland

INSUFFICIENT TISSUE

Thyroid Gland

OBSERVATIONS

Kidney		Glomerulosclerosis Infiltration Cellular	Mild Lymphocyte, Mild
Note: OF LYMPHOID INFILTRATION Note: GLOMERULAR LESION ASSOCIATED WITH AREAS			
Mesentery	Fat	Necrosis	Coagulative, Mild
Note: [NECROSIS] TGLs = 3-11			
Ovary	Follicle	Cyst	Marked
Note: [CYST] TGLs = 2-13 Note: [CYST] TGLs = 1-12			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 13	TRT#: 5	SEX: Female	DAY ON TEST: 733
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860873

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Intestine Large - Rectum	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Uterus		Hydrometra	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 14	TRT#: 5	SEX: Female	DAY ON TEST: 714
	DOSE: VEHICLE CONTROL	DISP: Moribund	HISTO: 860874

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Moderate
Liver		Infiltration Cellular	Plasma Cell, Mild
Skin		Fibroma	
Note: [FIBROMA] TGLs = 1-11			
Uterus		Hyperplasia	Cystic, Mild
		Inflammation	Suppurative, Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 15	TRT#: 5	SEX: Female	DAY ON TEST: 708
	DOSE: VEHICLE CONTROL	DISP: Dead	HISTO: 860875

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Heart	Islets, Pancreatic	Kidney
Liver	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Salivary Glands	Skin	Thymus
Thyroid Gland	Trachea		

MISSING

Parathyroid Gland	Pituitary Gland
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AUTO PRECLUDES DIAG.

Brain	Gallbladder	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lymph Node - Mesenteric	Stomach - Forestomach	Stomach - Glandular	

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 3-11			
Ovary		Inflammation	Suppurative, Marked
Note: [INFLAMMATION] TGLs = 1-12			
Spleen		Inflammation	Suppurative, Moderate
Note: [INFLAMMATION] TGLs = 4-5			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Inflammation	Suppurative, Moderate
Note: [INFLAMMATION] TGLs = 2-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 16	TRT#: 5	SEX: Female	DAY ON TEST: 734
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860876

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Lung		Hyperplasia	Histiocytic, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hydrometra	Moderate

Note: [HYDROMETRA] TGLs = 1-8

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 17	TRT#: 5	SEX: Female	DAY ON TEST: 557
	DOSE: VEHICLE CONTROL	DISP: Moribund	HISTO: 860877

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Intestine Large - Cecum

OBSERVATIONS

Kidney	Collect Tub	Pigmentation	Hemoglobin, Moderate
Liver		Necrosis	Coagulative, Minimal
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Marked
	Mesenteric	Inflammation	Suppurative, Mild
Note: [INFLAMMATION] TGLs = 3-4			
Note: [HYPERPLASIA] TGLs = 3-4			
Ovary	Follicle	Cyst	Marked
Note: OVARIAN CYST SURROUNDS SECTIONS OF SMALL BOWEL			
Note: [CYST] TGLs = 1-5			
Uterus		Hyperplasia	Cystic, Mild
Vagina		Hyperkeratosis	Moderate
		Inflammation	Suppurative, Mild
Note: [INFLAMMATION] TGLs = 2-5			
Note: [HYPERKERATOSIS] TGLs = 2-5			

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 19	TRT#: 5	SEX: Female	DAY ON TEST: 455
	DOSE: VEHICLE CONTROL	DISP: Interval Sacrifice	HISTO: 860879

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland Note: ADRENAL-A CELL HYPERPLASIA.	Spindle Cell	Hyperplasia	Mild
Liver		Infiltration Cellular	Lymphocyte, Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Skin Note: [HYPERKERATOSIS] TGLs = 1-8		Hyperkeratosis	Mild
Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 21	TRT#: 5	SEX: Female	DAY ON TEST: 729
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860881

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Kidney		Infiltration Cellular	Lymphocyte, Minimal
Mesentery	Fat	Necrosis	Coagulative, Moderate
Note: [NECROSIS] TGLs = 1-11			
Pancreas		Atrophy	Mild
Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 22	TRT#: 5	SEX: Female	DAY ON TEST: 734
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860882

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Gallbladder	Pituitary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Minimal
Liver		Eosinophilic Focus	Mild
Mesentery	Fat	Necrosis	Coagulative, Moderate
Note: [NECROSIS] TGLs = 1,4-11			
Ovary	Follicle	Cyst	Mild
Note: [CYST] TGLs = 3-8.1			
Uterus		Hyperplasia	Cystic, Moderate
Note: [HYPERPLASIA] TGLs = 2-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 23	TRT#: 5	SEX: Female	DAY ON TEST: 550
	DOSE: VEHICLE CONTROL	DISP: Dead	HISTO: 860883

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Esophagus	Mammary Gland
Nose			

MISSING

Lymph Node - Mesenteric	Parathyroid Gland
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AUTO PRECLUDES DIAG.

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Gallbladder
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Pancreas	Pituitary Gland	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Heart		Lymphoma Malignant	
Lung		Lymphoma Malignant	
Lymph Node	Mandibular	Lymphoma Malignant	
Note: [LYMPH MAL] TGLs = 4-3			
Ovary	Follicle	Cyst	Marked
		Lymphoma Malignant	
Note: [CYST] TGLs = 2-5			
Salivary Glands		Lymphoma Malignant	
Skin		Lymphoma Malignant	
Spleen		Lymphoma Malignant	
Note: [LYMPH MAL] TGLs = 3-2			
Thymus		Lymphoma Malignant	
Uterus		Lymphoma Malignant	

PRIMARY CAUSE OF DEATH -

Animal Note: SEVERE AUTOLYTIC CHANGE

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 24

TRT#: 5

SEX: Female

DAY ON TEST: 734

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 860884

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Ovary
Spleen
Thyroid Gland

Bone
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Parathyroid Gland
Stomach - Forestomach
Trachea

Bone Marrow
Heart
Intestine Small - Duodenum
Kidney
Mammary Gland
Pituitary Gland
Stomach - Glandular

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

MISSING

Urinary Bladder

OBSERVATIONS

Adrenal Gland
Liver
Pancreas
Salivary Glands
Uterus

Medulla

Pheochromocytoma Benign
Infiltration Cellular
Infiltration Cellular
Infiltration Cellular
Hyperplasia

Lymphocyte, Mild
Lymphocyte, Mild
Lymphocyte, Mild
Cystic, Mild

Note: [HYPERPLASIA] TGLs = 1-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 25	TRT#: 5	SEX: Female	DAY ON TEST: 732
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860885

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Kidney	Lung
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Moderate
Islets, Pancreatic		Adenoma	
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 3-12			
Lymph Node	Mesenteric	Lymphoma Malignant	
	Pancreatic	Lymphoma Malignant	
Ovary	Follicle	Cyst	Marked
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Skin		Fibrosarcoma	
Note: [FIBROSARC] TGLs = 1-11			
Spleen		Hyperplasia	Lymphoid, Moderate
Note: [HYPERPLASIA] TGLs = 2-14			
Thymus		Lymphoma Malignant	
Uterus		Hyperplasia	Cystic, Marked
Note: [HYPERPLASIA] TGLs = 4-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 27	TRT#: 5	SEX: Female	DAY ON TEST: 2
	DOSE: VEHICLE CONTROL	DISP: Gavage Death	HISTO: 860887

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Small - Duodenum	Islets, Pancreatic	Kidney	Liver
Lymph Node - Mesenteric	Mammary Gland	Ovary	Pancreas
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Uterus		

MISSING

Lymph Node - Mandibular	Parathyroid Gland
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AUTO PRECLUDES DIAG.

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

OBSERVATIONS

Lung		Congestion	Moderate
	Peribronchiolr	Hemorrhage	Moderate
[Congestion TGLS = 1-3]			
[Hemorrhage TGLS = 1-3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 28	TRT#: 5	SEX: Female	DAY ON TEST: 455
	DOSE: VEHICLE CONTROL	DISP: Interval Sacrifice	HISTO: 860888

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Kidney	Pelvis	Infiltration Cellular	Lymphocyte, Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Inflammation	Suppurative, Mild

PRIMARY CAUSE OF DEATH -

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 29	TRT#: 5	SEX: Female	DAY ON TEST: 733
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860889

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Kidney		Infiltration Cellular	Lymphocyte, Mild
Liver		Infiltration Cellular	Lymphocyte, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Stomach	Glandular	Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hydrometra	Marked

Note: [HYDROMETRA] TGLs = 1-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 30	TRT#: 5	SEX: Female	DAY ON TEST: 474
	DOSE: VEHICLE CONTROL	DISP: Dead	HISTO: 860890

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Lung	Lymph Node - Mandibular	Mammary Gland
Nose	Ovary	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Intestine Large - Cecum	Intestine Large - Rectum	Lymph Node - Mesenteric	Parathyroid Gland
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INSUFFICIENT TISSUE

Intestine Small - Ileum

OBSERVATIONS

Liver	Centrilobular	Necrosis	Mild
		Pigmentation	Mild
Pancreas		Atrophy	Moderate
Uterus		Leiomyosarcoma	

Note: UTERINE MASS ALSO RESEMBLES ENDOMETRIAL SARCOMA

Note: [LEIOMYOSAR] TGLs = 1-12

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 31	TRT#: 5	SEX: Female	DAY ON TEST: 732
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860891

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Gallbladder

OBSERVATIONS

Liver	Infiltration Cellular	Lymphocyte, Mild
Lung	Infiltration Cellular	Lymphocyte, Mild
Pancreas	Infiltration Cellular	Lymphocyte, Mild
Salivary Glands	Infiltration Cellular	Lymphocyte, Mild
Urinary Bladder	Infiltration Cellular	Lymphocyte, Mild
Uterus	Hyperplasia	Cystic, Moderate

Note: [HYPERPLASIA] TGLs = 1,2-8

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 32

TRT#: 5

SEX: Female

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 860892

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Liver		Hepatocellular Adenoma	
		Infiltration Cellular	Lymphocyte, Mild
Note: [HEPATOCLR ADEN] TGLs = 1-12			
Ovary	Follicle	Cyst	Marked
Note: [CYST] TGLs = 3-8			
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 35	TRT#: 5	SEX: Female	DAY ON TEST: 4
	DOSE: VEHICLE CONTROL	DISP: Gavage Death	HISTO: 860895

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Colon
Intestine Large - Rectum	Islets, Pancreatic	Kidney	Liver
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Thymus	Trachea	Uterus

MISSING

Mammary Gland	Parathyroid Gland	Thyroid Gland
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AUTO PRECLUDES DIAG.

Gallbladder	Intestine Large - Cecum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Spleen	Stomach - Glandular	Urinary Bladder

OBSERVATIONS

Lung	Foreign Body Inflammation	Mild Suppurative, Moderate
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[Foreign Body TGLS = 1-3]
[Inflammation TGLS = 1-3]

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 36	TRT#: 5	SEX: Female	DAY ON TEST: 159
	DOSE: VEHICLE CONTROL	DISP: Moribund	HISTO: 860896

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mandibular	Parathyroid Gland
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OBSERVATIONS

Heart	Mineralization	Moderate
Kidney	Glomerulosclerosis	Marked
Note: COMPLEX DISEASE.		
Note: RENAL GLOMERULAR LESION IS SUGGESTIVE OF IMMUNE		
[Glomerulosclerosis TGLS = 6-1]		
Spleen	Atrophy	Moderate
[Atrophy TGLS = 2-2]		
Thymus	Atrophy	Marked
Note: [ATROPHY] TGLs = 3-4		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 38	TRT#: 5	SEX: Female	DAY ON TEST: 733
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860898

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Liver		Eosinophilic Focus	Moderate
Ovary		Hematocyst	Marked
Note: [HEMATOCYST] TGLs = 1-8			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 39

TRT#: 5

SEX: Female

DAY ON TEST: 732

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 860899

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Liver		Basophilic Focus	Mild
Mesentery	Fat	Necrosis	Coagulative, Moderate
Note: [NECROSIS] TGLs = 1-11			
Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 40

TRT#: 5

SEX: Female

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 860900

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Moderate
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Marked

Note: [HYPERPLASIA] TGLs = 1-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 41	TRT#: 5	SEX: Female	DAY ON TEST: 734
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860901

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Minimal
Liver		Hepatocellular Adenoma	
Skin		Alopecia	Moderate
Note: [ALOPECIA] TGLs = 1-7			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 42

TRT#: 5

SEX: Female

DAY ON TEST: 589

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO: 860902

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	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
Pancreas	Pituitary Gland	Skin	Spleen
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Parathyroid Gland

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Bone			
Note: RECUT OF STERNUM IS NORMAL			
Note: STERNAL MASS COULD NOT BE FOUND IN WET TISSUE			
Eye			
Note: EYE IS NORMAL MICROSCOPICALLY			
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
	Mesenteric	Hyperplasia	Macrophage, Mild
Note: [HYPERPLASIA] TGLs = 3-12			
Ovary	Follicle	Cyst	Moderate
Note: [CYST] TGLs = 2-5			
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Stomach	Forestomach	Squamous Cell Papilloma	
Note: [PAPILLOMA SQUA] TGLs = 4-6			
Thymus			
Note: RECUT OF THYMUS IS NORMAL			
Uterus		Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 42

TRT#: 5

SEX: Female

DAY ON TEST: 589

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO: 860902

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 44	TRT#: 5	SEX: Female	DAY ON TEST: 456
	DOSE: VEHICLE CONTROL	DISP: Interval Sacrifice	HISTO: 860904

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Kidney	Pelvis	Infiltration Cellular	Lymphocyte, Minimal
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH -

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 45	TRT#: 5	SEX: Female	DAY ON TEST: 623
	DOSE: VEHICLE CONTROL	DISP: Moribund	HISTO: 860905

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Brain	Thalamus	Compression	Marked
Pituitary Gland	Pars Distalis	Adenoma	

Note: [ADENOMA] TGLs = 1-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 46	TRT#: 5	SEX: Female	DAY ON TEST: 732
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860906

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hemangioma	

Note: [HEMANGIOMA] TGLs = 1-8

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 48	TRT#: 5	SEX: Female	DAY ON TEST: 455
	DOSE: VEHICLE CONTROL	DISP: Interval Sacrifice	HISTO: 860908

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Note: ADRENAL-A HYPERPLASIA.			
Liver		Hepatocellular Adenoma	
Skin		Alopecia	Mild
Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 49

TRT#: 5

SEX: Female

DAY ON TEST: 456

DOSE: VEHICLE CONTROL

DISP: Interval Sacrifice

HISTO: 860909

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Parathyroid Gland	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Uterus		

OBSERVATIONS

Adrenal Gland Note: ADRENAL-A CELL HYPERPLASIA.	Spindle Cell	Hyperplasia	Moderate
Liver		Infiltration Cellular Necrosis Inflammation	Lymphocyte, Mild Coagulative, Mild Suppurative, Marked
Ovary Note: [INFLAMMATION] TGLs = 1-5 Note: OVARIAN ABSCESS.		Necrosis	Coagulative, Mild
Pancreas		Cyst	Moderate
Pituitary Gland Note: [CYST] TGLs = 2-4	Pars Distalis		
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 50	TRT#: 5	SEX: Female	DAY ON TEST: 456
	DOSE: VEHICLE CONTROL	DISP: Interval Sacrifice	HISTO: 860910

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland Note: ADRENAL-A CELL HYPERPLASIA.	Spindle Cell	Hyperplasia	Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus Note: [HYPERPLASIA] TGLs = 1-5		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 51

TRT#: 5

SEX: Female

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 860911

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Uterus

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Kidney		Infiltration Cellular	Lymphocyte, Mild
Liver		Hemorrhage	Minimal
Note: [HEMORRHAGE] TGLs = 6-11			
Lung		Hyperplasia	Lymphoid, Mild
Mesentery		Lymphoma Malignant	
Note: [LYMPH MAL] TGLs = 1-12			
Ovary	Follicle	Cyst	Marked
Note: [CYST] TGLs = 4-8			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 3-3			
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Thyroid Gland	Bilateral, Follicular Cel	Carcinoma	
Note: [CARCINOMA] TGLs = 2-2			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 52	TRT#: 5	SEX: Female	DAY ON TEST: 734
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860912

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Ovary	Follicle	Cyst	Moderate
Note: [CYST] TGLs = 2-8			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hydrometra	Marked
Note: [HYDROMETRA] TGLs = 1-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 53	TRT#: 5	SEX: Female	DAY ON TEST: 729
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860913

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Pituitary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Spindle Cell Cortex	Hyperplasia Vacuolization Cytoplasmic Basophilic Focus Cytoplasmic Alteration	Mild Moderate Minimal Minimal
Liver		Infiltration Cellular	Lymphocyte, Minimal
Pancreas		Infiltration Cellular	Lymphocyte, Minimal
Salivary Glands		Hyperplasia	Cystic, Mild
Uterus			

Note: [HYPERPLASIA] TGLs = 1-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 54	TRT#: 5	SEX: Female	DAY ON TEST: 683
	DOSE: VEHICLE CONTROL	DISP: Dead	HISTO: 860914

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone

MISSING

Adrenal Gland - Cortex
Parathyroid Gland

Adrenal Gland - Medulla
Pituitary Gland

Lymph Node - Mandibular

Lymph Node - Mesenteric

AUTO PRECLUDES DIAG.

Bone Marrow
Heart
Intestine Small - Duodenum
Kidney
Nose
Skin
Thymus
Uterus

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Ovary
Spleen
Thyroid Gland

Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Pancreas
Stomach - Forestomach
Trachea

Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Salivary Glands
Stomach - Glandular
Urinary Bladder

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 1 REPRESENTS TUMOR AUTOLYTIC CHANGE

Animal Note: MAKES DIAGNOSIS IMPOSSIBLE

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 55	TRT#: 5	SEX: Female	DAY ON TEST: 732
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860915

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Intestine Large - Rectum

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Liver		Angiectasis	Mild
Note: [ANGIECTASIS] TGLs = 2-5			
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Marked
Note: [HYPERPLASIA] TGLs = 1-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 57	TRT#: 5	SEX: Female	DAY ON TEST: 12
	DOSE: VEHICLE CONTROL	DISP: Dead	HISTO: 860917

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Islets, Pancreatic	Kidney	Liver	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Uterus	

OBSERVATIONS

Skin	Foot	Inflammation	Suppurative, Mild
[Inflammation TGLS = 1-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 58

TRT#: 5

SEX: Female

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 860918

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Ovary
Spleen
Thyroid Gland

Adrenal Gland - Medulla
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Pancreas
Stomach - Forestomach
Trachea

Bone
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Parathyroid Gland
Stomach - Glandular

Bone Marrow
Heart
Intestine Small - Duodenum
Kidney
Nose
Pituitary Gland
Thymus

OBSERVATIONS

Adrenal Gland
Liver
Lung
Salivary Glands
Skin
 Note: [ALOPECIA] TGLs = 1-11
Urinary Bladder
Uterus
 Note: [HYPERPLASIA] TGLs = 2-8

Spindle Cell

Hyperplasia
Eosinophilic Focus
Hyperplasia
Infiltration Cellular
Alopecia

Infiltration Cellular
Hyperplasia

Minimal
Mild
Lymphoid, Minimal
Lymphocyte, Minimal
Minimal

Lymphocyte, Moderate
Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 59	TRT#: 5	SEX: Female	DAY ON TEST: 729
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860919

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lung	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Uterus			

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Liver		Hepatocellular Adenoma	
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Mild
Mesentery		Cyst	Marked
Note: [CYST] TGLs = 2-11			
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Skin		Alopecia	Mild
Note: [ALOPECIA] TGLs = 4-11			
Spleen		Congestion	Minimal
Note: [CONGESTION] TGLs = 1-14			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 60	TRT#: 5	SEX: Female	DAY ON TEST: 732
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860920

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Parathyroid Gland
Pituitary Gland	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Pancreas		Infiltration Cellular	Lymphocyte, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Marked
Uterus		Hyperplasia	Cystic, Moderate

Note: [HYPERPLASIA] TGLs = 1-8

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 61	TRT#: 5	SEX: Female	DAY ON TEST: 729
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860921

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Uterus		

MISSING

Intestine Large - Rectum

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Kidney		Infiltration Cellular	Lymphocyte, Moderate
	Artery	Necrosis	Fibrinoid, Mild
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 2-11			
Ovary		Cystadenoma	
Note: [CYSTADENOMA] TGLs = 1-8			
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Coumarin

CAS Number: 91-64-5

Date Report Requested: 10/21/2014

Time Report Requested: 16:21:56

First Dose M/F: NA / NA

Lab: AM BIO

ANIMAL ID: 62

TRT#: 5

SEX: Female

DAY ON TEST: 2

DOSE: VEHICLE CONTROL

DISP: Gavage Death

HISTO: 860922

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Rectum
Liver
Ovary
Salivary Glands
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Small - Duodenum
Lymph Node - Mandibular
Pancreas
Skin
Thymus

Bone
Heart
Islets, Pancreatic
Lymph Node - Mesenteric
Parathyroid Gland
Spleen
Thyroid Gland

Bone Marrow
Intestine Large - Colon
Kidney
Nose
Pituitary Gland
Stomach - Forestomach
Trachea

MISSING

Mammary Gland

AUTO PRECLUDES DIAG.

Gallbladder

Intestine Large - Cecum

Intestine Small - Ileum

Intestine Small - Jejunum

OBSERVATIONS

Lung

Note: [FOREIGN BODY] TGLs = 3-3
Note: [FOREIGN BODY] TGLs = 4-3
Uterus

Mediastinum

Foreign Body
Foreign Body

Marked
Mild

Hydrometra

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 63 **TRT#:** 5 **SEX:** Female **DAY ON TEST:** 732
DOSE: VEHICLE CONTROL **DISP:** Terminal Sacrifice **HISTO:** 860923

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea		

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Ovary	Follicle	Cyst	Marked
Note: [CYST] TGLs = 2-8			
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Spleen		Hyperplasia	Lymphoid, Mild
Note: [HYPERPLASIA] TGLs = 3-5			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hydrometra	Marked
Note: [HYDROMETRA] TGLs = 1-8			

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 64	TRT#: 5	SEX: Female	DAY ON TEST: 683
	DOSE: VEHICLE CONTROL	DISP: Dead	HISTO: 860924

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Islets, Pancreatic
Kidney	Lung	Mammary Gland	Nose
Ovary	Pituitary Gland	Salivary Glands	Skin
Trachea	Urinary Bladder		

MISSING

Intestine Small - Ileum	Parathyroid Gland
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AUTO PRECLUDES DIAG.

Gallbladder	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Jejunum	Lymph Node - Mandibular	Lymph Node - Mesenteric
Pancreas	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland			

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Liver		Histiocytic Sarcoma	
Spleen		Hyperplasia	Lymphoid, Mild
Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 65	TRT#: 5	SEX: Female	DAY ON TEST: 4
	DOSE: VEHICLE CONTROL	DISP: Gavage Death	HISTO: 860925

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Kidney	Liver
Mammary Gland	Nose	Ovary	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Uterus			

MISSING

Intestine Small - Ileum	Lymph Node - Mandibular
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AUTO PRECLUDES DIAG.

Gallbladder	Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mesenteric	Pancreas	Thymus	Urinary Bladder

OBSERVATIONS

Lung		Foreign Body	Mild
	Alveolus	Hemorrhage	Mild
	Pleura	Inflammation	Suppurative, Mild

Note: GAVAGE FLUID IN ALVEOLI

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 66

TRT#: 5

SEX: Female

DAY ON TEST: 732

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: 860926

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Islets, Pancreatic	Lymph Node - Mandibular	Mammary Gland
Nose	Ovary	Parathyroid Gland	Pituitary Gland
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea		

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Intestine Small		Lymphoma Malignant Histiocytic	
Note: [LYMPH MAL HIST] TGLs = 3-12			
Kidney		Infiltration Cellular	Lymphocyte, Minimal
Liver		Inflammation	Chronic, Mild
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 1-11			
Lymph Node	Mesenteric	Lymphoma Malignant Histiocytic	
Note: [LYMPH MAL HIST] TGLs = 2-7			
Pancreas		Infiltration Cellular	Lymphocyte, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 67	TRT#: 5	SEX: Female	DAY ON TEST: 734
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860927

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Esophagus

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Moderate
Ovary		Cystadenoma	
Note: OVARIAN TUMOR MAY BE BILATERAL			
Note: [CYSTADENOMA] TGLs = 1-8			
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 68

TRT#: 5

SEX: Female

DAY ON TEST: 456

DOSE: VEHICLE CONTROL

DISP: Interval Sacrifice

HISTO: 860928

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Pituitary Gland
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Kidney	Pelvis	Infiltration Cellular	Lymphocyte, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Skin		Alopecia	Moderate
Note: [ALOPECIA] TGLs = 2-12,3-12			
Uterus		Hyperplasia	Cystic, Mild
Note: [HYPERPLASIA] TGLs = 1-5			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 69	TRT#: 5	SEX: Female	DAY ON TEST: 732
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO: 860929

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea		

MISSING

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Gallbladder	Thymus
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OBSERVATIONS

Heart	Inflammation	Chronic, Mild
Liver	Infiltration Cellular	Lymphocyte, Minimal
Parathyroid Gland	Hyperplasia	Mild
Spleen	Hyperplasia	Lymphoid, Mild
Note: [HYPERPLASIA] TGLs = 1-5		
Urinary Bladder	Infiltration Cellular	Lymphocyte, Mild
Uterus	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 70 **TRT#:** 5 **SEX:** Female **DAY ON TEST:** 732
DOSE: VEHICLE CONTROL **DISP:** Terminal Sacrifice **HISTO:** 860930

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea		

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Moderate
Kidney		Infiltration Cellular	Lymphocyte, Minimal
Liver		Developmental Malformation	
		Eosinophilic Focus	Moderate
		Infiltration Cellular	Lymphocyte, Mild
Note: [DEVELOP MALFOR] TGLs = 2-5			
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hydrometra	Moderate
Note: [HYDROMETRA] TGLs = 1-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 71

TRT#: 6

SEX: Female

DAY ON TEST: 715

DOSE: 50 MG/KG

DISP: Moribund

HISTO: 860931

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lung	Lymph Node - Mandibular	Mammary Gland	Nose
Parathyroid Gland	Pituitary Gland	Salivary Glands	Stomach - Forestomach
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex, Spindle Cell	Adenoma	
Heart		Mineralization	Mild
Islets, Pancreatic		Atrophy	Moderate
Kidney	Renal Tubule	Degeneration	Mild
		Glomerulosclerosis	Moderate
Liver		Hepatocellular Carcinoma	
		Necrosis	Coagulative, Marked
Note: [HEPATOCLR CARC] TGLs = 3-5,11			
Lymph Node	Mesenteric	Inflammation	Suppurative, Moderate
Ovary	Follicle	Cyst	Moderate
Note: [CYST] TGLs = 2-8			
Pancreas		Atrophy	Moderate
Skin	Subcut Tiss	Inflammation	Chronic Active, Moderate
Note: [INFLAMMATION] TGLs = 4-12			
Spleen		Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 1-5			
Stomach	Glandular	Ulcer	Mild
Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 72	TRT#: 6	SEX: Female	DAY ON TEST: 734
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO: 860932

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Liver	Eosinophilic Focus	Minimal
	Inflammation	Suppurative, Minimal
Thymus	Hyperplasia	Lymphoid, Moderate
Uterus	Hydrometra	Marked

Note: [HYDROMETRA] TGLs = 1-8

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 73

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 860933

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Bone Note: [OSTEOSARC] TGLs = 5-11,12	Vertebra	Osteosarcoma	
Liver Note: [HEMANGIOSARC] TGLs = 7-5 Note: [HEPATOCLR ADEN] TGLs = 3,6		Hemangiosarcoma Hepatocellular Adenoma	Multiple
Spleen Note: [HYPERPLASIA] TGLs = 1-5		Hyperplasia	Plasma Cell, Moderate
Urinary Bladder Note: [INFLAMMATION] TGLs = 2-8		Inflammation	Suppurative, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 74	TRT#: 6	SEX: Female	DAY ON TEST: 733
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO: 860934

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Trachea			

OBSERVATIONS

Liver		Eosinophilic Focus	Marked
Lung		Lymphoma Malignant Lymphocytic	
Ovary	Follicle	Cyst	Mild
Thymus		Lymphoma Malignant Lymphocytic	
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Mild

Note: [HYPERPLASIA] TGLs = 2-8

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 75

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 50 MG/KG

DISP: Moribund

HISTO: 860935

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	

MISSING

Urinary Bladder

OBSERVATIONS

Ovary	Follicle	Cyst	Moderate
Note: [CYST] TGLs = 2-8			
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Thyroid Gland	Follicle	Dilatation	Moderate
Tissue NOS	Abdominal	Necrosis	Coagulative, Marked
Note: CURVATURE OF THE STOMACH			
Note: [NECROSIS] TGLs = 3-12			
Note: TGL 3 IS A NECROTIC FOCI ATTACHED TO GREATER			
Uterus		Inflammation	Suppurative, Marked
Note: [INFLAMMATION] TGLs = 1-11			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 77	TRT#: 6	SEX: Female	DAY ON TEST: 722
	DOSE: 50 MG/KG	DISP: Moribund	HISTO: 860937

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Pituitary Gland

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Minimal
Brain		Meningioma Malignant	
Note: [MENINGIOMA MAL] TGLs = 2-1			
Liver		Hepatocellular Adenoma	
Lung		Alveolar/Bronchiolar Adenoma	
Stomach	Forestomach	Hyperkeratosis	Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Marked
Note: [HYPERPLASIA] TGLs = 1-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 79

TRT#: 6

SEX: Female

DAY ON TEST: 456

DOSE: 50 MG/KG

DISP: Interval Sacrifice

HISTO: 860939

OBSERVATIONS

Skin

Alopecia

Mild

Note: [ALOPECIA] TGLs = 1-8

Uterus

Hyperplasia

Cystic, Mild

Note: [HYPERPLASIA] TGLs = 2-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 80	TRT#: 6	SEX: Female	DAY ON TEST: 732
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO: 860940

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea			

MISSING

Gallbladder

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Liver		Eosinophilic Focus	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Moderate
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hydrometra	Moderate

Note: [HYDROMETRA] TGLs = 1-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 81

TRT#: 6

SEX: Female

DAY ON TEST: 456

DOSE: 50 MG/KG

DISP: Interval Sacrifice

HISTO: 860941

OBSERVATIONS

Ovary

Inflammation

Suppurative, Moderate

Note: OVARIAN ABSCESS.

Note: [INFLAMMATION] TGLs = 1-5

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 82

TRT#: 6

SEX: Female

DAY ON TEST: 455

DOSE: 50 MG/KG

DISP: Interval Sacrifice

HISTO: 860942

OBSERVATIONS

Uterus

Hyperplasia

Cystic, Moderate

Note: [HYPERPLASIA] TGLs = 1-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 83	TRT#: 6	SEX: Female	DAY ON TEST: 729
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO: 860943

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea			

INSUFFICIENT TISSUE

Gallbladder

OBSERVATIONS

Adrenal Gland	Corticomed Jct	Hemorrhage	Moderate
Liver		Eosinophilic Focus	Minimal
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
Note: [HEPATOCLR CARC] TGLs = 2-11			
Mammary Gland	Duct	Hyperplasia	Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Moderate
Spleen		Hyperplasia	Lymphoid, Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Moderate
Note: [HYPERPLASIA] TGLs = 1-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 84	TRT#: 6	SEX: Female	DAY ON TEST: 733
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO: 860944

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Urinary Bladder

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 2-11			
Mesentery	Fat	Necrosis	Coagulative, Marked
Note: [NECROSIS] TGLs = 1-12			
Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 85	TRT#: 6	SEX: Female	DAY ON TEST: 729
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO: 860945

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Minimal
Ovary	Follicle	Cyst	Moderate
Note: [CYST] TGLs = 2-8			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Moderate
Note: [HYPERPLASIA] TGLs = 1-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 86	TRT#: 6	SEX: Female	DAY ON TEST: 593
	DOSE: 50 MG/KG	DISP: Dead	HISTO: 860946

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea		

MISSING

Parathyroid Gland

OBSERVATIONS

Liver		Necrosis	Coagulative, Mild
Note: [NECROSIS] TGLs = 3-5			
Mammary Gland	Duct	Dilatation	Moderate
Note: TGL 4 IS MAMMARY TISSUE IN MESENTERIC FAT			
Note: [DILATATION] TGLs = 4-11			
Ovary	Follicle	Cyst	Mild
Note: [CYST] TGLs = 1-8			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Inflammation	Suppurative, Moderate
Note: [INFLAMMATION] TGLs = 2-8			

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 87	TRT#: 6 DOSE: 50 MG/KG	SEX: Female DISP: Dead	DAY ON TEST: 670 HISTO: 860947
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Esophagus
Intestine Large - Colon	Islets, Pancreatic	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Pituitary Gland

AUTO PRECLUDES DIAG.

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Gallbladder	Intestine Large - Cecum
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Kidney	Lymph Node - Mesenteric	Thymus	

OBSERVATIONS

Heart		Lymphoma Malignant	
Liver		Lymphoma Malignant	
Note: [LYMPH MAL] TGLs = 3-5			
Lung		Lymphoma Malignant	
Lymph Node	Mandibular	Lymphoma Malignant	
Mesentery	Fat	Necrosis	Coagulative, Marked
Note: [NECROSIS] TGLs = 2-12			
Ovary	Follicle	Cyst	Moderate
Spleen		Lymphoma Malignant	
Note: [LYMPH MAL] TGLs = 1-11			

PRIMARY CAUSE OF DEATH

-

Animal Note: AUTOLYT. CHGS. PRECLUDES TYPING OF LYMPHOMA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 88

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 860948

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Mammary Gland	Nose	Ovary	Parathyroid Gland
Pituitary Gland	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Uterus

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Kidney		Infiltration Cellular	Lymphocyte, Mild
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
Note: [HEPATOCLR ADEN] TGLs = 2-5			
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 1-6			
Lymph Node	Mesenteric	Hyperplasia	Plasma Cell, Mild
Pancreas		Infiltration Cellular	Lymphocyte, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Spleen		Hematopoietic Cell Proliferation Erythrocytic	Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 89	TRT#: 6	SEX: Female	DAY ON TEST: 733
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO: 860949

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Eye	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Mammary Gland	Nose	Ovary	Pancreas
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Spindle Cell Cortex, Corticomed Jct	Hyperplasia Necrosis Adenoma	Mild Coagulative, Mild
Harderian Gland			
Note: [ADENOMA] TGLs = 3-11			
Liver		Eosinophilic Focus Infiltration Cellular	Mild Lymphocyte, Mild
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mandibular Mesenteric	Hyperplasia Hyperplasia Hyperplasia	Lymphoid, Moderate Lymphoid, Moderate Lymphoid, Moderate
Spleen			
Note: [HYPERPLASIA] TGLs = 2-5			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Moderate
Uterus		Hyperplasia	Cystic, Moderate
Note: [HYPERPLASIA] TGLs = 1-8			

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 90	TRT#: 6	SEX: Female	DAY ON TEST: 729
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO: 860950

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	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	Mammary Gland	Nose	Parathyroid Gland
Pituitary Gland	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	

INSUFFICIENT TISSUE

Lymph Node - Mesenteric

OBSERVATIONS

Kidney		Infiltration Cellular	Lymphocyte, Mild
Liver		Lymphoma Malignant Lymphocytic	
Ovary	Follicle	Cyst	Moderate
Note: [CYST] TGLs = 1-8			
Pancreas		Infiltration Cellular	Lymphocyte, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Spleen		Hyperplasia	Lymphoid, Moderate
Urinary Bladder		Infiltration Cellular	Lymphocyte, Moderate
Uterus		Hyperplasia	Cystic, Moderate
Note: [HYPERPLASIA] TGLs = 2-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 91	TRT#: 6	SEX: Female	DAY ON TEST: 729
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO: 860951

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Kidney	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Islets, Pancreatic		Adenoma	
Liver		Eosinophilic Focus	Moderate
Lung	Alveolus	Hemorrhage	Mild
Note: [HEMORRHAGE] TGLs = 2-6			
Ovary		Hematocyst	Moderate
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Spleen		Hyperplasia	Lymphoid, Moderate
Uterus		Hyperplasia	Cystic, Mild
Note: [HYPERPLASIA] TGLs = 1-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 92	TRT#: 6	SEX: Female	DAY ON TEST: 734
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO: 860952

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lymph Node - Mandibular	Mammary Gland
Mesentery	Nose	Ovary	Pancreas
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Parathyroid Gland

INSUFFICIENT TISSUE

Intestine Large - Rectum

OBSERVATIONS

Intestine Small Note: [LYMPH MAL LYMP] TGLs = 2-11	Ileum	Lymphoma Malignant Lymphocytic	
Liver		Hepatocellular Adenoma	
Lung	Alveolar Epith	Hyperplasia	Mild
Lymph Node Note: [LYMPH MAL LYMP] TGLs = 3-12	Mesenteric	Lymphoma Malignant Lymphocytic	
Pituitary Gland	Pars Distalis	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 93

TRT#: 6

SEX: Female

DAY ON TEST: 456

DOSE: 50 MG/KG

DISP: Interval Sacrifice

HISTO: 860953

OBSERVATIONS

Liver

Eosinophilic Focus

Mild

Lung

Alveolar Epith

Hyperplasia

Minimal

Uterus

Inflammation

Suppurative, Marked

Note: [INFLAMMATION] TGLs = 1-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 94	TRT#: 6 DOSE: 50 MG/KG	SEX: Female DISP: Moribund	DAY ON TEST: 673 HISTO: 860954
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	

MISSING

Parathyroid Gland	Pituitary Gland
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OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Kidney	Cortex	Pigmentation	Bile, Mild
Lung		Alveolar/Bronchiolar Adenoma	
Ovary	Follicle	Cyst	Moderate
Note: [CYST] TGLs = 1-8			
Skin		Fibrosarcoma	
Note: [FIBROSARC] TGLs = 4-11			
Spleen		Hematopoietic Cell Proliferation Erythrocytic	Moderate
Note: [HEMA CL PR ERY] TGLs = 3-5			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Moderate
Note: [HYPERPLASIA] TGLs = 2-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 97	TRT#: 6	SEX: Female	DAY ON TEST: 734
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO: 860957

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Islets, Pancreatic	Kidney	Lung	Lymph Node - Mandibular
Mammary Gland	Nose	Ovary	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Parathyroid Gland	Pituitary Gland
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OBSERVATIONS

Intestine Large	Cecum	Lymphoma Malignant Lymphocytic	
Intestine Small	Jejunum	Lymphoma Malignant Lymphocytic	
Note: [LYMPH MAL LYMP] TGLs = 1-4			
Liver		Eosinophilic Focus	Minimal
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Moderate
Pancreas		Infiltration Cellular	Lymphocyte, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Spleen		Hyperplasia	Lymphoid, Moderate
Thymus		Hyperplasia	Lymphoid, Moderate
Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 98	TRT#: 6	SEX: Female	DAY ON TEST: 732
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO: 860958

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Esophagus	Lymph Node - Mandibular
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OBSERVATIONS

Liver	Fatty Change	Moderate
	Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 2,3,4-5		
Note: [FATTY CHANGE] TGLs = 5-5		
Uterus	Hyperplasia	Cystic, Moderate
Note: [HYPERPLASIA] TGLs = 1-8		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 99	TRT#: 6	SEX: Female	DAY ON TEST: 683
	DOSE: 50 MG/KG	DISP: Dead	HISTO: 860959

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Heart	Mammary Gland	Nose
Salivary Glands	Skin	Stomach - Forestomach	

MISSING

Lymph Node - Mandibular	Lymph Node - Mesenteric	Parathyroid Gland	Stomach - Glandular
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AUTO PRECLUDES DIAG.

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Gallbladder	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Liver	Lung
Ovary	Pancreas	Pituitary Gland	Spleen
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 100	TRT#: 6	SEX: Female	DAY ON TEST: 622
	DOSE: 50 MG/KG	DISP: Dead	HISTO: 860960

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Islets, Pancreatic
Kidney	Liver	Lung	Nose
Ovary	Pancreas	Pituitary Gland	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Lymph Node - Mesenteric	Mammary Gland	Parathyroid Gland	Thymus
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AUTO PRECLUDES DIAG.

Gallbladder	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Skin
Spleen			

OBSERVATIONS

Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Moderate
Pharynx		Cyst	Marked

Note: [CYST] TGLs = 1,2-11
Note: ORIG. FRM. MINOR SAL.GL. LESION IS NOT NEOPLASTIC
Note: PHARYNX-CYST APPEARS TO BE SQUAMOUS & MAY

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 101

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 860961

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Kidney		Infiltration Cellular	Lymphocyte, Mild
Liver		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Lymphoma Malignant Mixed	
		Mixed Cell Focus	Mild
Note: [HEPATOCLR ADEN] TGLs = 3,4,8,9			
Note: [MIXED CL FOCUS] TGLs = 9-13			
Lymph Node		Lymphoma Malignant Mixed	
Skin		Alopecia	Moderate
Note: [ALOPECIA] TGLs = 5-12,1-7			
Spleen		Lymphoma Malignant Mixed	
Stomach	Forestomach	Squamous Cell Papilloma	
Note: [PAPILOMA SQUA] TGLs = 6,7-11			
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 102 **TRT#:** 6 **SEX:** Female **DAY ON TEST:** 734
DOSE: 50 MG/KG **DISP:** Terminal Sacrifice **HISTO:** 860962

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Parathyroid Gland	Pituitary Gland	Skin
Spleen	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 3-12			
Ovary	Follicle	Cyst	Moderate
Note: [CYST] TGLs = 1-8			
Pancreas		Infiltration Cellular	Lymphocyte, Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Stomach	Forestomach	Hyperkeratosis	Mild
Note: [HYPERKERATOSIS] TGLs = 4-11			
Uterus		Hyperplasia	Cystic, Moderate
Note: [HYPERPLASIA] TGLs = 2-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 103

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 860963

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Liver	Basophilic Focus	Moderate
Note: [HEPATOCLR ADEN] TGLs = 2-5,11	Hepatocellular Adenoma	
Spleen	Developmental Malformation	
Note: [DEVELOP MALFOR] TGLs = 3-12		
Urinary Bladder	Infiltration Cellular	Lymphocyte, Minimal
Uterus	Hyperplasia	Cystic, Moderate
Note: [HYPERPLASIA] TGLs = 1-8		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 104

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 860964

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Lymphoma Malignant Mixed	
Liver		Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 4-5			
Lung	Alveolar Epith	Hyperplasia	Mild
Note: [HYPERPLASIA] TGLs = 7-12			
Lymph Node	Lumbar	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
	Pancreatic	Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 6-13]			
[Lymphoma Malignant Mixed TGLS = 3-14]			
[Lymphoma Malignant Mixed TGLS = 5-11]			
Ovary	Follicle	Cyst	Moderate
Note: [CYST] TGLs = 2-8			
Spleen		Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 1-5			
Thymus		Lymphoma Malignant Mixed	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 107

TRT#: 6

SEX: Female

DAY ON TEST: 455

DOSE: 50 MG/KG

DISP: Interval Sacrifice

HISTO: 860967

OBSERVATIONS

Ovary
Note: [CYST] TGLs = 2-5
Skin
Note: [ALOPECIA] TGLs = 3-8
Uterus
Note: [HYDROMETRA] TGLs = 1-5

Follicle

Cyst

Moderate

Alopecia

Mild

Hydrometra

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 108

TRT#: 6

SEX: Female

DAY ON TEST: 456

DOSE: 50 MG/KG

DISP: Interval Sacrifice

HISTO: 860968

OBSERVATIONS

Uterus

Hyperplasia

Cystic, Moderate

Note: [HYPERPLASIA] TGLs = 1-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 109

TRT#: 6

SEX: Female

DAY ON TEST: 635

DOSE: 50 MG/KG

DISP: Moribund

HISTO: 860969

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Lymph Node	Mesenteric	Lymphoma Malignant Lymphocytic	
	Renal	Lymphoma Malignant Lymphocytic	
Note: [LYMPH MAL LYMP] TGLs = 3-7			
Note: [LYMPH MAL LYMP] TGLs = 4-11			
Ovary	Follicle	Cyst	Moderate
Note: [CYST] TGLs = 1-8			
Stomach	Forestomach	Inflammation	Suppurative, Mild
Note: [INFLAMMATION] TGLs = 5-4			
Uterus		Hyperplasia	Cystic, Marked
Note: [HYPERPLASIA] TGLs = 2-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 110

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 860970

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Liver		Eosinophilic Focus	Mild
		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 2-5			
Stomach	Forestomach	Hyperkeratosis	Marked
	Forestomach	Hyperplasia	Squamous, Moderate
Note: [HYPERPLASIA] TGLs = 1-11			
Note: [HYPERKERATOSIS] TGLs = 1-11			
Uterus		Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 111

TRT#: 6

SEX: Female

DAY ON TEST: 495

DOSE: 50 MG/KG

DISP: Dead

HISTO: 860971

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Esophagus	Heart
Lung	Lymph Node - Mandibular	Mammary Gland	Nose
Pituitary Gland	Salivary Glands	Skin	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Gallbladder	Lymph Node - Mesenteric	Parathyroid Gland
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AUTO PRECLUDES DIAG.

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Pancreas
Stomach - Forestomach	Stomach - Glandular		

OBSERVATIONS

Liver		Histiocytic Sarcoma	
Lymph Node	Mediastinal	Histiocytic Sarcoma	
Mesentery		Histiocytic Sarcoma	
Ovary		Histiocytic Sarcoma	
Spleen		Inflammation	Suppurative, Moderate
Note: [INFLAMMATION] TGLs = 1-2			
Uterus		Histiocytic Sarcoma	
		Hydrometra	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:56
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 112

TRT#: 6
DOSE: 50 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 860972

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 1-5			
Skin		Alopecia	Minimal
Note: [ALOPECIA] TGLs = 4-7			
Stomach	Forestomach	Squamous Cell Carcinoma	
Note: [SQUAM CEL CARC] TGLs = 3-11			
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 113

TRT#: 6

SEX: Female

DAY ON TEST: 456

DOSE: 50 MG/KG

DISP: Interval Sacrifice

HISTO: 860973

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Stomach - Forestomach

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 114

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 860974

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Liver	Eosinophilic Focus	Mild
Note: [HEPATOCLR ADEN] TGLs = 2-5	Hepatocellular Adenoma	
Uterus	Hyperplasia	Cystic, Mild
Note: [HYPERPLASIA] TGLs = 1-8		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 115

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 860975

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Minimal
Liver		Eosinophilic Focus	Mild
		Hepatocellular Adenoma	
		Infiltration Cellular	Lymphocyte, Mild
Note: [HEPATOCLR ADEN] TGLs = 1-5			
Lung		Alveolar/Bronchiolar Adenoma	
Ovary		Cystadenoma	
Stomach	Forestomach	Inflammation	Suppurative, Mild
Note: [INFLAMMATION] TGLs = 4-4			
Uterus		Hydrometra	Marked
Note: [HYDROMETRA] TGLs = 2-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 116

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 860976

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Kidney	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Uterus

OBSERVATIONS

Islets, Pancreatic	Adenoma	
Liver	Eosinophilic Focus	Moderate
	Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 2-5		
Note: [HEPATOCLR ADEN] TGLs = 1-5		
Salivary Glands	Infiltration Cellular	Lymphocyte, Mild
Urinary Bladder	Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 117

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 860977

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Liver		Eosinophilic Focus	Moderate
		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 7-5			
Note: [EOSIN FOCUS] TGLs = 5-7			
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 3-11			
Ovary		Cystadenoma	
Note: [CYSTADENOMA] TGLs = 9-8			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 2-3			
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Stomach	Forestomach	Squamous Cell Papilloma	
Note: [PAPILLOMA SQUA] TGLs = 4-12			
Uterus		Hydrometra	Moderate
Note: [HYDROMETRA] TGLs = 1-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 118

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 860978

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Minimal
Heart	Perivascular	Inflammation	Chronic, Marked
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 1-11			
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Moderate
Note: [HYPERPLASIA] TGLs = 2-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 119

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 860979

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Liver	Eosinophilic Focus	Mild
Note: [HEPATOCLR ADEN] TGLs = 2,3-5	Hepatocellular Adenoma	Multiple
Uterus	Hyperplasia	Cystic, Moderate
Note: [HYPERPLASIA] TGLs = 1-8		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Coumarin

CAS Number: 91-64-5

Date Report Requested: 10/21/2014

Time Report Requested: 16:21:57

First Dose M/F: NA / NA

Lab: AM BIO

ANIMAL ID: 120

TRT#: 6

SEX: Female

DAY ON TEST: 635

DOSE: 50 MG/KG

DISP: Moribund

HISTO: 860980

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Pancreas
Skin
Thyroid Gland

Adrenal Gland - Medulla
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Parathyroid Gland
Spleen
Trachea

Bone
Gallbladder
Intestine Large - Rectum
Kidney
Nose
Pituitary Gland
Stomach - Forestomach
Urinary Bladder

Bone Marrow
Heart
Intestine Small - Duodenum
Lung
Ovary
Salivary Glands
Stomach - Glandular
Uterus

MISSING

Mammary Gland

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Islets, Pancreatic

Carcinoma

Note: [CARCINOMA] TGLs = 1-11

Liver

Eosinophilic Focus
Inflammation

Mild
Suppurative, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 121	TRT#: 6	SEX: Female	DAY ON TEST: 729
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO: 860981

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 1-5			
Lung	Alveolar Epith	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 123	TRT#: 6	SEX: Female	DAY ON TEST: 733
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO: 860983

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Liver		Hepatocellular Adenoma	
Ovary	Follicle	Cyst	Moderate
Note: [CYST] TGLs = 2-8			
Pancreas		Atrophy	Marked
Pituitary Gland	Pars Distalis	Adenoma	
Thyroid Gland	Follicle	Cyst	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 125

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 860985

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lung	Lymph Node - Mandibular	Mammary Gland
Mesentery	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Lymph Node	Mesenteric	Lymphoma Malignant Lymphocytic	
Note: [LYMPH MAL LYMP] TGLs = 3-11			
Ovary		Cystadenoma	
Note: [CYSTADENOMA] TGLs = 1-8			
Spleen		Developmental Malformation	
Note: [DEVELOP MALFOR] TGLs = 4-5			
Uterus		Hydrometra	Moderate
Note: [HYDROMETRA] TGLs = 2-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 126

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 860986

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Liver		Eosinophilic Focus	Mild
		Hepatocellular Adenoma	
Mesentery	Fat	Necrosis	Coagulative, Moderate
Note: [NECROSIS] TGLs = 1-11			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 127

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 860987

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Skin		Alopecia	Minimal
Note: [ALOPECIA] TGLs = 1-7			
Stomach	Forestomach	Squamous Cell Papilloma	
Note: [PAPILLOMA SQUA] TGLs = 2-11			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 128	TRT#: 6	SEX: Female	DAY ON TEST: 732
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO: 860988

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Kidney		Infiltration Cellular	Lymphocyte, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Thyroid Gland	C Cell	Hyperplasia	Mild
		Inflammation	Suppurative, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 129	TRT#: 6	SEX: Female	DAY ON TEST: 734
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO: 860989

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Mild
Stomach	Forestomach	Squamous Cell Papilloma	
Note: [PAPILLOMA SQUA] TGLs = 1-11			
Uterus		Hydrometra	Marked
Note: [HYDROMETRA] TGLs = 2-8			

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 130

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 860990

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Islets, Pancreatic	Kidney	Lung
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Intestine Small Note: [LYMPH MAL] TGLs = 8-4	Jejunum	Lymphoma Malignant	
Liver		Hepatocellular Adenoma	Multiple
Lymph Node	Mandibular	Lymphoma Malignant	
	Mesenteric	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
Note: [LYMPH MAL] TGLs = 5-13			
Note: [LYMPH MAL] TGLs = 6-7,11,12			
Spleen		Lymphoma Malignant	
Note: [LYMPH MAL] TGLs = 4-5			
Thymus		Inflammation	Suppurative, Mild
Uterus		Hydrometra	Moderate
Note: [HYDROMETRA] TGLs = 1-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 131	TRT#: 6	SEX: Female	DAY ON TEST: 733
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO: 860991

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Liver		Eosinophilic Focus	Moderate
Ovary	Follicle	Cyst	Marked
Note: [CYST] TGLs = 1-8			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Mild
Note: [HYPERPLASIA] TGLs = 2-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 132	TRT#: 6	SEX: Female	DAY ON TEST: 729
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO: 860992

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Infiltration Cellular	Lymphocyte, Mild
Liver		Eosinophilic Focus	Mild
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 3,5			
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Stomach	Forestomach	Hyperkeratosis	Mild
Note: [HYPERKERATOSIS] TGLs = 4-14			
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
Tissue NOS		Hemorrhage	Moderate
Note: [HEMORRHAGE] TGLs = 2-13			
Uterus		Hydrometra	Marked
Note: [HYDROMETRA] TGLs = 1-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 133

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 860993

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Necrosis	Coagulative, Mild
	Corticomed Jct	Necrosis	Coagulative, Mild
Liver		Eosinophilic Focus	Mild
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 1,2			
Lung	Bronchiole, Epithelium	Hyperplasia	Mild
Ovary	Follicle	Cyst	Moderate
Note: [CYST] TGLs = 3-8			
Uterus		Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 134

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 860994

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Liver		Eosinophilic Focus	Moderate
		Hepatocellular Adenoma	
		Inflammation	Necrotizing, Mild
Note: [HEPATOCLR ADEN] TGLs = 1,2-5			
Ovary		Inflammation	Suppurative, Marked
Note: [INFLAMMATION] TGLs = 6-8			
Stomach	Forestomach	Squamous Cell Papilloma	
Note: [PAPILOMA SQUA] TGLs = 3-11			
Uterus		Hyperplasia	Cystic, Mild
Note: [HYPERPLASIA] TGLs = 5-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 139

TRT#: 6

SEX: Female

DAY ON TEST: 456

DOSE: 50 MG/KG

DISP: Interval Sacrifice

HISTO: 860999

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Uterus

OBSERVATIONS

Ovary

Follicle

Cyst

Marked

Capsule

Inflammation

Chronic, Moderate

Note: [CYST] TGLs = 1-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 140

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 861000

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Pituitary Gland
Skin	Spleen	Stomach - Glandular	Thymus
Trachea			

MISSING

Parathyroid Gland

OBSERVATIONS

Liver		Eosinophilic Focus	Moderate
		Hepatocellular Adenoma	
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Stomach	Forestomach	Hyperplasia	Squamous, Moderate
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Polyp	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 141

TRT#: 7

SEX: Female

DAY ON TEST: 456

DOSE: 100MG/KG

DISP: Interval Sacrifice

HISTO: 861001

OBSERVATIONS

Lung
Ovary
Note: [CYST] TGLs = 2-5
Skin
Note: [ALOPECIA] TGLs = 1-8

Follicle

Alveolar/Bronchiolar Adenoma
Cyst
Alopecia

Moderate

Mild

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 142

TRT#: 7

SEX: Female

DAY ON TEST: 456

DOSE: 100MG/KG

DISP: Interval Sacrifice

HISTO: 861002

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

OBSERVATIONS

Liver

Eosinophilic Focus

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 143	TRT#: 7	SEX: Female	DAY ON TEST: 729
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO: 861003

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Moderate
Liver		Eosinophilic Focus	Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 145

TRT#: 7

SEX: Female

DAY ON TEST: 733

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 861005

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Pituitary Gland	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Cytoplasmic Alteration	Moderate
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 4-5			
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Skin		Alopecia	Mild
Note: [ALOPECIA] TGLs = 1,2-11			
Uterus		Hyperplasia	Cystic, Moderate
Note: [HYPERPLASIA] TGLs = 3-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 146	TRT#: 7	SEX: Female	DAY ON TEST: 733
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO: 861006

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Liver		Eosinophilic Focus	Mild
		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 1-5			
Lung	Alveolar Epith	Hyperplasia	Mild
Pancreas		Infiltration Cellular	Lymphocyte, Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 147	TRT#: 7	SEX: Female	DAY ON TEST: 732
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO: 861007

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Liver		Hepatocellular Adenoma	
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hydrometra	Moderate

Note: [HYDROMETRA] TGLs = 1-8

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 149	TRT#: 7	SEX: Female	DAY ON TEST: 679
	DOSE: 100MG/KG	DISP: Moribund	HISTO: 861009

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Eye	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Harderian Gland		Adenoma	
Note: [ADENOMA] TGLs = 3-11			
Liver		Hepatocellular Adenoma	
Pancreas		Infiltration Cellular	Lymphocyte, Moderate
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Moderate
Note: [HYPERPLASIA] TGLs = 1-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 150

TRT#: 7

SEX: Female

DAY ON TEST: 734

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 861010

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	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	Mammary Gland	Parathyroid Gland	Pituitary Gland
Skin	Spleen	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Kidney		Infiltration Cellular	Lymphocyte, Moderate
Liver		Hepatocellular Adenoma	
		Lymphoma Malignant Lymphocytic	
Note: [LYMPH MAL LYMP] TGLs = 1,4-5			
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Mild
Nose	Lumen	Inflammation	Suppurative, Mild
Ovary		Cystadenoma	
Pancreas		Infiltration Cellular	Lymphocyte, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Stomach	Forestomach	Hyperplasia	Squamous, Mild
Uterus		Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 151

TRT#: 7

SEX: Female

DAY ON TEST: 456

DOSE: 100MG/KG

DISP: Interval Sacrifice

HISTO: 861011

OBSERVATIONS

Liver

Eosinophilic Focus

Minimal

Skin

Alopecia

Mild

Note: [ALOPECIA] TGLs = 2-8

Note: [ALOPECIA] TGLs = 3-8

Uterus

Hyperplasia

Cystic, Moderate

Note: [HYPERPLASIA] TGLs = 1-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 153

TRT#: 7

SEX: Female

DAY ON TEST: 733

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 861013

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lung
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Pituitary Gland	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Trachea		

MISSING

Esophagus	Parathyroid Gland
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OBSERVATIONS

Liver		Hepatocellular Adenoma	Multiple
		Syncytial Alteration	Minimal
Note: [HEPATOCLR ADEN] TGLs = 1-5			
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Moderate
Ovary		Cystadenoma	
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Thymus		Lymphoma Malignant Lymphocytic	
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Moderate
Note: [HYPERPLASIA] TGLs = 2-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 154

TRT#: 7

SEX: Female

DAY ON TEST: 734

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 861014

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Pituitary Gland

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Kidney		Infiltration Cellular	Lymphocyte, Mild
Liver		Eosinophilic Focus	Mild
		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 4,2			
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 8-6			
Ovary	Follicle	Cyst	Moderate
Note: [CYST] TGLs = 1-8			
Pancreas		Infiltration Cellular	Lymphocyte, Moderate
Stomach	Forestomach	Hyperplasia	Squamous, Mild
Note: [HYPERPLASIA] TGLs = 7-4			
Tissue NOS	Posterior	Abscess	Marked
	Posterior	Fibrosarcoma	
Note: [ABSCESS] TGLs = 6-11			
Note: [FIBROSARC] TGLs = 5-11,13			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 155

TRT#: 7

SEX: Female

DAY ON TEST: 729

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 861015

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney	Infiltration Cellular	Lymphocyte, Minimal
Liver	Eosinophilic Focus	Minimal
	Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 1-11		
Lung	Hyperplasia	Lymphoid, Mild
Ovary	Cystadenoma	
Note: [CYSTADENOMA] TGLs = 2-8		
Pancreas	Infiltration Cellular	Lymphocyte, Mild
Urinary Bladder	Infiltration Cellular	Lymphocyte, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 156

TRT#: 7

SEX: Female

DAY ON TEST: 733

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 861016

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Parathyroid Gland
Stomach - Forestomach
Trachea

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Pituitary Gland
Stomach - Glandular

Bone
Gallbladder
Intestine Small - Duodenum
Liver
Mammary Gland
Skin
Thymus

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

OBSERVATIONS

Adrenal Gland
Heart
Kidney
Ovary
 Note: [CYST] TGLs = 1-8
Pancreas
Salivary Glands
Urinary Bladder
Uterus
 Note: [HYPERPLASIA] TGLs = 2-8

Spindle Cell
Artery

Follicle

Hyperplasia
Inflammation
Infiltration Cellular
Cyst

Infiltration Cellular
Infiltration Cellular
Infiltration Cellular
Hyperplasia

Mild
Chronic Active, Moderate
Lymphocyte, Minimal
Moderate

Lymphocyte, Minimal
Lymphocyte, Minimal
Lymphocyte, Mild
Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 157

TRT#: 7

SEX: Female

DAY ON TEST: 729

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 861017

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Parathyroid Gland
Stomach - Forestomach
Trachea

Bone
Gallbladder
Intestine Small - Duodenum
Kidney
Mammary Gland
Pituitary Gland
Stomach - Glandular
Urinary Bladder

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Nose
Salivary Glands
Thymus

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Pancreas
Spleen
Thyroid Gland

INSUFFICIENT TISSUE

Adrenal Gland - Cortex

OBSERVATIONS

Heart
Liver
Ovary
 Note: [HEMATOCYST] TGLs = 2-8
Skin
 Note: [ALOPECIA] TGLs = 1-7
Uterus
 Note: [HYPERPLASIA] TGLs = 3-8

Inflammation
Infiltration Cellular
Hematocyst

Alopecia

Hyperplasia

Chronic Active, Moderate
Lymphocyte, Mild
Marked

Mild

Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 158

TRT#: 7

SEX: Female

DAY ON TEST: 456

DOSE: 100MG/KG

DISP: Interval Sacrifice

HISTO: 861018

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 159

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 861019

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Liver		Eosinophilic Focus	Mild
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 2-5			
Ovary	Follicle	Cyst	Marked
Note: [CYST] TGLs = 3,4-8			
Uterus		Hydrometra	Moderate
Note: [HYDROMETRA] TGLs = 5-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 160

TRT#: 7

SEX: Female

DAY ON TEST: 733

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 861020

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lung	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 4-5			
Lymph Node	Mesenteric	Necrosis	Mild
Ovary	Follicle	Cyst	Moderate
Skin		Hemangioma	
Note: [HEMANGIOMA] TGLs = 1-7			
Spleen		Hyperplasia	Lymphoid, Mild
Thymus		Lymphoma Malignant	
Uterus		Hydrometra	Marked
Note: [HYDROMETRA] TGLs = 3-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 161	TRT#: 7	SEX: Female	DAY ON TEST: 729
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO: 861021

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Pituitary Gland

OBSERVATIONS

Lung	Subpleura	Mineralization	Marked
Ovary	Follicle	Cyst	Moderate
Note: [CYST] TGLs = 1-8			
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Moderate
Note: [HYPERPLASIA] TGLs = 2-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 162

TRT#: 7

SEX: Female

DAY ON TEST: 729

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 861022

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland	Nose
Ovary	Parathyroid Gland	Salivary Glands	Skin
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

MISSING

Pituitary Gland

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Heart		Nuclear Alteration	Mild
Kidney		Lymphoma Malignant Lymphocytic	
Note: [LYMPH MAL LYMP] TGLs = 4-8			
Liver		Lymphoma Malignant Lymphocytic	
Note: [LYMPH MAL LYMP] TGLs = 3-5			
Lung		Lymphoma Malignant Lymphocytic	
Lymph Node	Inguinal	Lymphoma Malignant Lymphocytic	
	Mandibular	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
	Pancreatic	Lymphoma Malignant Lymphocytic	
	Renal	Lymphoma Malignant Lymphocytic	
Note: [LYMPH MAL LYMP] TGLs = 2-13			
Note: [LYMPH MAL LYMP] TGLs = 6-14			
Note: [LYMPH MAL LYMP] TGLs = 7-11			
Pancreas		Lymphoma Malignant Lymphocytic	
Spleen		Lymphoma Malignant Lymphocytic	
Note: [LYMPH MAL LYMP] TGLs = 1-11			
Stomach	Forestomach	Hyperplasia	Squamous, Moderate
Thyroid Gland	Follicle	Dilatation	Mild
Uterus		Hydrometra	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 162

TRT#: 7

SEX: Female

DAY ON TEST: 729

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 861022

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [HYDROMETRA] TGLs = 5-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 165

TRT#: 7

SEX: Female

DAY ON TEST: 733

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 861025

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Minimal
Liver		Clear Cell Focus	Mild
		Eosinophilic Focus	Mild
		Syncytial Alteration	Minimal
Note: [CLEAR CL FOCUS] TGLs = 3-5			
Pancreas		Atrophy	Mild
Skin	Subcut Tiss	Inflammation	Chronic Active, Moderate
Note: [INFLAMMATION] TGLs = 1-11			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus		Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 166

TRT#: 7

SEX: Female

DAY ON TEST: 672

DOSE: 100MG/KG

DISP: Dead

HISTO: 861026

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Mammary Gland
Skin
Trachea

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

Bone
Heart
Intestine Small - Duodenum
Kidney
Parathyroid Gland
Stomach - Glandular

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Pituitary Gland
Thyroid Gland

AUTO PRECLUDES DIAG.

Gallbladder

OBSERVATIONS

Liver

Eosinophilic Focus
Hepatocellular Adenoma
Hepatocellular Carcinoma

Moderate
Multiple

Note: [HEPATOCLR CARC] TGLs = 2-5
Note: [HEPATOCLR ADEN] TGLs = 3,4,5-11
Note: [HEPATOCLR ADEN] TGLs = 6-12

Lymph Node

Mandibular
Mesenteric

Lymphoma Malignant Mixed
Lymphoma Malignant Mixed
Lymphoma Malignant Mixed
Lymphoma Malignant Mixed
Lymphoma Malignant Mixed
Hyperplasia
Lymphoma Malignant Mixed
Lymphoma Malignant Mixed
Lymphoma Malignant Mixed

Lymphoid, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 167	TRT#: 7	SEX: Female	DAY ON TEST: 732
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO: 861027

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Pituitary Gland	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Corticomed Jct	Hemorrhage	Mild
Liver		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 1,2-5			
Lung		Alveolar/Bronchiolar Adenoma	
Ovary	Follicle	Cyst	Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Mild
Note: [HYPERPLASIA] TGLs = 3-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 169	TRT#: 7	SEX: Female	DAY ON TEST: 4
	DOSE: 100MG/KG	DISP: Moribund	HISTO: 861029

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Gallbladder	Mammary Gland	Spleen
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OBSERVATIONS

Lung	Pleura	Inflammation	Suppurative, Moderate
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 170

TRT#: 7

SEX: Female

DAY ON TEST: 3

DOSE: 100MG/KG

DISP: Gavage Death

HISTO: 861030

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Kidney	Liver	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Pituitary Gland	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 - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Pancreas

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 171 **TRT#:** 7 **SEX:** Female **DAY ON TEST:** 694
DOSE: 100MG/KG **DISP:** Moribund **HISTO:** 861031

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Esophagus	Gallbladder
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	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Glandular	Thymus
Thyroid Gland	Trachea		

MISSING

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Uterus
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OBSERVATIONS

Bone Marrow		Hyperplasia	Neutrophil, Moderate
Liver		Inflammation	Suppurative, Mild
Lung		Alveolar/Bronchiolar Adenoma	
Lymph Node	Mesenteric	Squamous Cell Carcinoma	Metastatic (Stomach)
Mesentery		Squamous Cell Carcinoma	Metastatic (Stomach)
Note: [SQUAM CEL CARC] TGLs = 4-2			
Spleen		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 1-5]			
Stomach	Forestomach	Squamous Cell Carcinoma	
Note: [SQUAM CEL CARC] TGLs = 3-11			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus			
Note: UTERUS COULD NOT BE IDENTIFIED. MAY BE IN GASTRIC TUMOR			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 172

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 861032

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Pituitary Gland

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Liver		Eosinophilic Focus	Mild
		Hepatocellular Adenoma	
		Infarct	Marked
Note: TGL 4 MAY BE AN INFARCTED LIVER TUMOR			
Note: [HEPATOCLR ADEN] TGLs = 3-11			
Note: [INFARCT] TGLs = 4-11			
Pancreas		Hyperplasia	Moderate
Spleen		Lymphoma Malignant Lymphocytic	
Note: [LYMPH MAL LYMP] TGLs = 2-5			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Moderate
Uterus		Hyperplasia	Cystic, Moderate
Note: [HYPERPLASIA] TGLs = 1-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 173

TRT#: 7

SEX: Female

DAY ON TEST: 734

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 861033

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Kidney	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea		

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Minimal
Islets, Pancreatic		Adenoma	
Liver		Eosinophilic Focus	Moderate
	Hepatocyte	Hyperplasia	Mild
		Necrosis	Coagulative, Moderate
[Hyperplasia TGLS = 1-11]			
Nose	Lumen	Inflammation	Suppurative, Mild
Ovary		Pigmentation	Ceroid, Mild
Note: [PIGMENT] TGLs = 3-8			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Marked
Note: [HYPERPLASIA] TGLs = 2-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 174

TRT#: 7

SEX: Female

DAY ON TEST: 733

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 861034

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Minimal
Liver		Eosinophilic Focus	Minimal
		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 4,6-5			
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 2-11			
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
Mesentery	Fat	Necrosis	Coagulative, Moderate
Note: [NECROSIS] TGLs = 3-12			
Spleen		Hyperplasia	Lymphoid, Mild
Stomach	Forestomach	Hyperkeratosis	Mild
Note: [HYPERKERATOSIS] TGLs = 5-13			
Uterus		Hyperplasia	Cystic, Marked
Note: [HYPERPLASIA] TGLs = 1-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 175	TRT#: 7	SEX: Female	DAY ON TEST: 586
	DOSE: 100MG/KG	DISP: Moribund	HISTO: 861035

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Liver		Eosinophilic Focus	Moderate
		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 1-2			
Lung		Inflammation	Suppurative, Marked
Note: [INFLAMMATION] TGLs = 3-11			
Stomach	Forestomach	Hyperplasia	Squamous, Mild
Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 176	TRT#: 7	SEX: Female	DAY ON TEST: 729
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO: 861036

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Pituitary Gland

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Minimal
Liver		Hepatocellular Adenoma	Multiple
Lung	Alveolus	Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Minimal
Note: [HEMORRHAGE] TGLs = 2-6			
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 178	TRT#: 7	SEX: Female	DAY ON TEST: 734
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO: 861038

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Minimal
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 2-5,11			
Skin		Alopecia	Moderate
Note: [ALOPECIA] TGLs = 1-7			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus		Hyperplasia	Cystic, Moderate
Note: TGL 4 IS PART OF UTERINE HYPERPLASIA			
Note: [HYPERPLASIA] TGLs = 3-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 179

TRT#: 7

SEX: Female

DAY ON TEST: 734

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 861039

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Liver		Eosinophilic Focus	Mild
		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 3-5 [Hepatocellular Adenoma TGLS = 1-12]			
Stomach	Forestomach	Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 2-11]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 180

TRT#: 7

SEX: Female

DAY ON TEST: 456

DOSE: 100MG/KG

DISP: Interval Sacrifice

HISTO: 861040

OBSERVATIONS

Skin

Alopecia

Mild

Note: [ALOPECIA] TGLs = 1-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 181	TRT#: 7	SEX: Female	DAY ON TEST: 689
	DOSE: 100MG/KG	DISP: Dead	HISTO: 861041

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Esophagus	Heart
Mammary Gland	Nose	Ovary	Parathyroid Gland
Salivary Glands	Skin	Thyroid Gland	Trachea

MISSING

Lymph Node - Mandibular

AUTO PRECLUDES DIAG.

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Gallbladder
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lung	Lymph Node - Mesenteric	Pancreas	Pituitary Gland
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Urinary Bladder			

OBSERVATIONS

Liver	Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 1-11]		
Uterus	Hydrometra	Marked
[Hydrometra TGLS = 5-8]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 182

TRT#: 7

SEX: Female

DAY ON TEST: 734

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 861042

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	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
Mammary Gland	Nose	Ovary	Pancreas
Pituitary Gland	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

INSUFFICIENT TISSUE

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Kidney		Infiltration Cellular	Lymphocyte, Moderate
Liver		Eosinophilic Focus	Marked
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Moderate
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Mild

Note: [HYPERPLASIA] TGLs = 1-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 183

TRT#: 7

SEX: Female

DAY ON TEST: 564

DOSE: 100MG/KG

DISP: Dead

HISTO: 861043

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Esophagus	Heart	Lymph Node - Mandibular
Mammary Gland	Nose	Parathyroid Gland	Salivary Glands
Skin	Thymus		

AUTO PRECLUDES DIAG.

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Gallbladder	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Lung	Lymph Node - Mesenteric	Ovary
Pancreas	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Liver	Hepatocellular Adenoma
Note: [HEPATOCLR ADEN] TGLs = 2-2	
Pituitary Gland	Neoplasm Nos
Note: PITUITARY-AUTOLYTIC CHANGE MAKES DX IMPOSSIBLE	
Note: [NEOPLASM NOS] TGLs = 1-4	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 184

TRT#: 7

SEX: Female

DAY ON TEST: 734

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 861044

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Bone Marrow	Myelofibrosis	Minimal
Liver	Eosinophilic Focus	Moderate
	Hepatocellular Adenoma	
Pancreas	Infiltration Cellular	Lymphocyte, Minimal
Uterus	Hyperplasia	Cystic, Moderate
	Inflammation	Suppurative, Mild
	Sarcoma	

Note: [SARCOMA] TGLs = 1-8

Note: [HYPERPLASIA] TGLs = 1-8

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 185

TRT#: 7

SEX: Female

DAY ON TEST: 733

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 861045

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lung	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	

OBSERVATIONS

Liver		Eosinophilic Focus Hepatocellular Adenoma	Moderate
Note: [HEPATOCLR ADEN] TGLs = 3,4-11 Note: [EOSIN FOCUS] TGLs = 3			
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Moderate
Ovary	Follicle	Cyst	Moderate
Note: [CYST] TGLs = 1-8			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Moderate
Note: [HYPERPLASIA] TGLs = 2-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 186

TRT#: 7

SEX: Female

DAY ON TEST: 729

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 861046

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Skin	Spleen	Stomach - Glandular	Thymus
Thyroid Gland	Trachea		

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Kidney		Infiltration Cellular	Lymphocyte, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Stomach	Forestomach	Hyperplasia	Squamous, Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Moderate

Note: [HYPERPLASIA] TGLs = 3-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 187	TRT#: 7	SEX: Female	DAY ON TEST: 729
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO: 861047

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney	Renal Tubule	Degeneration	Minimal
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 1-5			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 3-3			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 189	TRT#: 7	SEX: Female	DAY ON TEST: 733
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO: 861049

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Pituitary Gland	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Liver		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 2-5			
Ovary		Cystadenoma	
Note: [CYSTADENOMA] TGLs = 1-8			
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Thyroid Gland	Follicle	Cyst	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 191	TRT#: 7	SEX: Female	DAY ON TEST: 732
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO: 861051

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea			

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Liver		Eosinophilic Focus	Moderate
Ovary	Follicle	Cyst	Mild
Thyroid Gland		Inflammation	Suppurative, Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 192 **TRT#:** 7 **SEX:** Female **DAY ON TEST:** 734
DOSE: 100MG/KG **DISP:** Terminal Sacrifice **HISTO:** 861052

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Liver	Bile Duct	Cyst	Marked
Note: [CYST] TGLs = 6-12		Hepatocellular Adenoma	Multiple
Lung		Alveolar/Bronchiolar Adenoma	
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
	Mesenteric	Hyperplasia	Lymphoid, Mild
	Lumbar	Lymphoma Malignant Lymphocytic	
	Renal	Lymphoma Malignant Lymphocytic	
Note: [LYMPH MAL LYMP] TGLs = 9-13			
Note: [HYPERPLASIA] TGLs = 7-2			
Note: [LYMPH MAL LYMP] TGLs = 8-13			
Ovary	Follicle	Cyst	Moderate
Note: [CYST] TGLs = 2-8			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 1-3			
Spleen		Hyperplasia	Lymphoid, Moderate
Note: [HYPERPLASIA] TGLs = 3-5			
Uterus		Inflammation	Suppurative, Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 194

TRT#: 7

SEX: Female

DAY ON TEST: 734

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 861054

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 1-11			
Spleen		Developmental Malformation	
Note: [DEVELOP MALFOR] TGLs = 2-5			
Uterus		Hyperplasia	Cystic, Moderate
Note: [HYPERPLASIA] TGLs = 3-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 196

TRT#: 7

SEX: Female

DAY ON TEST: 733

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 861056

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	

MISSING

Parathyroid Gland

OBSERVATIONS

Liver		Inflammation	Chronic, Minimal
		Mixed Cell Focus	Mild
		Necrosis	Coagulative, Minimal
Note: [MIXED CL FOCUS] TGLs = 3-5			
Ovary	Follicle	Cyst	Moderate
Note: [CYST] TGLs = 1-8			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Moderate
Note: [HYPERPLASIA] TGLs = 2-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 197	TRT#: 7	SEX: Female	DAY ON TEST: 729
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO: 861057

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Islets, Pancreatic	Kidney	Lung
Lymph Node - Mandibular	Mammary Gland	Nose	Ovary
Pituitary Gland	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	

MISSING

Parathyroid Gland

OBSERVATIONS

Intestine Small Note: [HYPERPLASIA] TGLs = 2-11	Jejunum	Hyperplasia	Lymphoid, Moderate
Liver		Hepatocellular Adenoma	
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Mild
Pancreas		Infiltration Cellular	Lymphocyte, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Thyroid Gland	Follicular Cel	Adenoma	
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus Note: [HYPERPLASIA] TGLs = 1-8		Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 198

TRT#: 7

SEX: Female

DAY ON TEST: 733

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 861058

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Pancreas
Stomach - Forestomach
Trachea

Adrenal Gland - Medulla
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Parathyroid Gland
Stomach - Glandular

Bone
Heart
Intestine Small - Duodenum
Kidney
Nose
Pituitary Gland
Thymus

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

OBSERVATIONS

Adrenal Gland
Bone Marrow
Liver
Lung
Salivary Glands
Spleen
Urinary Bladder
Uterus

Spindle Cell

Hyperplasia
Myelofibrosis
Eosinophilic Focus
Hyperplasia
Infiltration Cellular
Hyperplasia
Infiltration Cellular
Hyperplasia

Mild
Moderate
Mild
Lymphoid, Mild
Lymphocyte, Minimal
Lymphoid, Mild
Lymphocyte, Mild
Cystic, Moderate

Note: [HYPERPLASIA] TGLs = 1-8

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 199	TRT#: 7	SEX: Female	DAY ON TEST: 733
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO: 861059

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	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	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Lung	Alveolus	Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Minimal
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 1-3			
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Uterus		Hydrometra	Moderate
Note: [HYDROMETRA] TGLs = 2-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 201

TRT#: 7

SEX: Female

DAY ON TEST: 729

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 861061

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lung	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea			

MISSING

Parathyroid Gland	Urinary Bladder
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OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Liver		Eosinophilic Focus	Mild
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Mild
Ovary	Follicle	Cyst	Marked
Note: [CYST] TGLs = 2-8			
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus		Hyperplasia	Cystic, Marked
Note: [HYPERPLASIA] TGLs = 1-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 202

TRT#: 7

SEX: Female

DAY ON TEST: 456

DOSE: 100MG/KG

DISP: Interval Sacrifice

HISTO: 861062

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Stomach - Forestomach

Stomach - Glandular

OBSERVATIONS

Uterus

Hyperplasia

Cystic, Moderate

Note: [HYPERPLASIA] TGLs = 1-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 203

TRT#: 7

SEX: Female

DAY ON TEST: 455

DOSE: 100MG/KG

DISP: Interval Sacrifice

HISTO: 861063

OBSERVATIONS

Ovary

Follicle

Cyst

Marked

[Cyst TGLS = 1-5]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 204

TRT#: 7

SEX: Female

DAY ON TEST: 70

DOSE: 100MG/KG

DISP: Moribund

HISTO: 861064

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Ovary
Salivary Glands
Stomach - Glandular
Uterus

Adrenal Gland - Medulla
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Pancreas
Skin
Thyroid Gland

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

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

MISSING

Lymph Node - Mandibular

Lymph Node - Mesenteric

OBSERVATIONS

Thymus

Atrophy

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 205

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 861065

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Liver		Hepatocellular Adenoma	
Lung	Alveolar Epith Alveolus	Hyperplasia Inflammation	Moderate Chronic, Mild
Note: [INFLAMMATION] TGLs = 4-6			
Note: [HYPERPLASIA] TGLs = 4-6			
Lymph Node	Mandibular Mediastinal Mesenteric Renal	Lymphoma Malignant Lymphocytic Lymphoma Malignant Lymphocytic Lymphoma Malignant Lymphocytic Lymphoma Malignant Lymphocytic	
Note: [LYMPH MAL LYMP] TGLs = 1-2			
Note: [LYMPH MAL LYMP] TGLs = 8-13			
Note: [LYMPH MAL LYMP] TGLs = 6-14			
Note: [LYMPH MAL LYMP] TGLs = 3-6			
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Lymphoma Malignant Lymphocytic	
Note: [LYMPH MAL LYMP] TGLs = 2-5			
Thymus		Lymphoma Malignant Lymphocytic	
Note: [LYMPH MAL LYMP] TGLs = 5-11,12			
Uterus		Hyperplasia	Cystic, Moderate
Note: [HYPERPLASIA] TGLs = 7-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 206

TRT#: 7

SEX: Female

DAY ON TEST: 729

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 861066

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Kidney		Infiltration Cellular	Lymphocyte, Mild
Liver		Eosinophilic Focus	Mild
		Hepatocellular Adenoma	
Lung		Alveolar/Bronchiolar Adenoma	
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Skin		Alopecia	Mild
Note: [ALOPECIA] TGLs = 1-11			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 207

TRT#: 7

SEX: Female

DAY ON TEST: 729

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 861067

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea

OBSERVATIONS

Adrenal Gland	Cortex	Clear Cell Focus	Moderate
Liver		Inflammation	Suppurative, Mild
Lung	Alveolus	Infiltration Cellular	Lymphocyte, Mild
Ovary	Follicle	Cyst	Moderate
Note: [CYST] TGLs = 3-8			
Spleen		Hematopoietic Cell Proliferation Erythrocytic	Mild
Note: [HEMA CL PR ERY] TGLs = 1-5			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Moderate
Note: [HYPERPLASIA] TGLs = 2-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 208

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 861068

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Liver		Eosinophilic Focus Hepatocellular Adenoma	Moderate
Note: [HEPATOCLR ADEN] TGLs = 2-5			
Ovary	Follicle	Cyst	Moderate
Note: [CYST] TGLs = 1-8			
Pancreas		Infiltration Cellular	Lymphocyte, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 209

TRT#: 7

SEX: Female

DAY ON TEST: 733

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 861069

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Parathyroid Gland	Pituitary Gland
Skin	Spleen	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Zymbal's Gland

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 2-5			
Pancreas		Necrosis	Coagulative, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Stomach	Forestomach	Squamous Cell Papilloma	
Note: [PAPILLOMA SQUA] TGLs = 3-11			
Uterus		Hyperplasia	Cystic, Moderate
Note: [HYPERPLASIA] TGLs = 1-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 210

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO: 861070

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Infiltration Cellular	Lymphocyte, Moderate
Liver		Angiectasis	Moderate
		Hepatocellular Carcinoma	
Note: [HEPATOCLR CARC] TGLs = 4-5			
Note: [ANGIECTASIS] TGLs = 5-5			
Mesentery	Fat	Necrosis	Coagulative, Marked
Note: [NECROSIS] TGLs = 2-12			
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Skeletal Muscle		Inflammation	Chronic Active, Marked
Note: [INFLAMMATION] TGLs = 1-11			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Mild
Note: [HYPERPLASIA] TGLs = 3-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 211

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 200MG/KG

DISP: Terminal Sacrifice

HISTO: 861071

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

INSUFFICIENT TISSUE

Intestine Large - Rectum

OBSERVATIONS

Liver	Centrilobular	Hypertrophy	Minimal
Ovary	Follicle	Cyst	Moderate
Note: [CYST] TGLs = 2-8			
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Skin		Alopecia	Mild
Note: [ALOPECIA] TGLs = 1-7			
Uterus		Inflammation	Suppurative, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 213

TRT#: 8

SEX: Female

DAY ON TEST: 456

DOSE: 200MG/KG

DISP: Interval Sacrifice

HISTO: 861073

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Liver	Centrilobular	Hypertrophy	Minimal
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Moderate

Note: [HYPERPLASIA] TGLs = 3-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Coumarin

CAS Number: 91-64-5

Date Report Requested: 10/21/2014

Time Report Requested: 16:21:57

First Dose M/F: NA / NA

Lab: AM BIO

ANIMAL ID: 214

TRT#: 8

SEX: Female

DAY ON TEST: 253

DOSE: 200MG/KG

DISP: Dead

HISTO: 861074

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Cecum
Intestine Small - Jejunum
Lymph Node - Mandibular
Ovary
Skin
Thyroid Gland

Adrenal Gland - Medulla
Esophagus
Intestine Large - Colon
Islets, Pancreatic
Lymph Node - Mesenteric
Pancreas
Spleen
Trachea

Bone
Gallbladder
Intestine Large - Rectum
Kidney
Mammary Gland
Pituitary Gland
Stomach - Forestomach
Urinary Bladder

Bone Marrow
Heart
Intestine Small - Ileum
Lung
Nose
Salivary Glands
Stomach - Glandular

MISSING

Parathyroid Gland

AUTO PRECLUDES DIAG.

Intestine Small - Duodenum

OBSERVATIONS

Liver	Centrilobular	Hypertrophy Necrosis	Minimal Coagulative, Moderate
Thymus		Atrophy	Moderate
Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 215

TRT#: 8

SEX: Female

DAY ON TEST: 684

DOSE: 200MG/KG

DISP: Moribund

HISTO: 861075

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Pancreas
Skin
Thymus

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Parathyroid Gland
Spleen
Thyroid Gland

Bone
Gallbladder
Intestine Small - Duodenum
Kidney
Nose
Pituitary Gland
Stomach - Forestomach
Trachea

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Ovary
Salivary Glands
Stomach - Glandular
Uterus

OBSERVATIONS

Heart
Liver

Necrosis
Hepatocellular Adenoma
Mineralization

Zenkers, Moderate
Multiple
Mild

Note: [HEPATOCLR ADEN] TGLs = 1-6

Lung
Urinary Bladder

Alveolar/Bronchiolar Adenoma
Infiltration Cellular

Multiple
Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 216

TRT#: 8

SEX: Female

DAY ON TEST: 455

DOSE: 200MG/KG

DISP: Interval Sacrifice

HISTO: 861076

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland Note: ADRENAL-"A" HYPERPLASIA.	Spindle Cell	Hyperplasia	Mild
Liver	Centrilobular	Hypertrophy Syncytial Alteration Vacuolization Cytoplasmic	Mild Minimal Minimal
Lung Note: [ALV BRON ADEN] TGLs = 2-12		Alveolar/Bronchiolar Adenoma	
Pancreas		Infiltration Cellular	Lymphocyte, Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus Note: [HYDROMETRA] TGLs = 1-5		Hydrometra	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 217

TRT#: 8

SEX: Female

DAY ON TEST: 456

DOSE: 200MG/KG

DISP: Interval Sacrifice

HISTO: 861077

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Adrenal Gland Note: ADRENAL-"A"CELL HYPERPLASIA.	Spindle Cell	Hyperplasia	Mild
Kidney	Pelvis	Infiltration Cellular	Lymphocyte, Mild
Liver	Centrilobular	Hypertrophy	Mild
		Infiltration Cellular	Lymphocyte, Mild
		Syncytial Alteration	Minimal
		Vacuolization Cytoplasmic	Mild
Lung Note: [ALV BRON ADEN] TGLs = 1-12		Alveolar/Bronchiolar Adenoma	
Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 218	TRT#: 8	SEX: Female	DAY ON TEST: 700
	DOSE: 200MG/KG	DISP: Dead	HISTO: 861078

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lymph Node - Mandibular	Mammary Gland
Nose	Ovary	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Lymph Node - Mesenteric

AUTO PRECLUDES DIAG.

Gallbladder	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum		

OBSERVATIONS

Liver		Necrosis	Coagulative, Moderate
		Syncytial Alteration	Mild
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 3-11			
Mesentery	Fat	Necrosis	Coagulative, Marked
Note: [NECROSIS] TGLs = 1,2-13			
Pancreas		Inflammation	Suppurative, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 220

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 200MG/KG

DISP: Terminal Sacrifice

HISTO: 861080

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Liver		Eosinophilic Focus	Mild
	Centrilobular	Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 1-11		Hypertrophy	Minimal
Lung		Alveolar/Bronchiolar Carcinoma	
Mesentery	Fat	Necrosis	Coagulative, Mild
Note: [NECROSIS] TGLs = 2-12			
Pancreas		Infiltration Cellular	Lymphocyte, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 221	TRT#: 8	SEX: Female	DAY ON TEST: 508
	DOSE: 200MG/KG	DISP: Dead	HISTO: 861081

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Heart	Lung	Mammary Gland
Nose	Ovary	Pituitary Gland	Salivary Glands
Skin	Thymus	Trachea	Urinary Bladder
Uterus			

MISSING

Lymph Node - Mandibular	Parathyroid Gland
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AUTO PRECLUDES DIAG.

Brain	Gallbladder	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Liver	Lymph Node - Mesenteric
Pancreas	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 223

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 200MG/KG

DISP: Terminal Sacrifice

HISTO: 861083

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea		

MISSING

Parathyroid Gland	Pituitary Gland	Urinary Bladder
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OBSERVATIONS

Brain	Meninges	Infiltration Cellular	Lymphocyte, Mild
Kidney		Infiltration Cellular	Lymphocyte, Mild
Liver		Basophilic Focus	Marked
		Clear Cell Focus	Minimal
		Inflammation	Chronic, Minimal
Ovary		Hematocyst	Moderate
Note: [HEMATOCYST] TGLs = 1-8			
Pancreas		Atrophy	Marked
		Infiltration Cellular	Lymphocyte, Moderate
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 224

TRT#: 8

SEX: Female

DAY ON TEST: 456

DOSE: 200MG/KG

DISP: Interval Sacrifice

HISTO: 861084

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	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	Mammary Gland	Nose	Ovary
Pancreas	Pituitary Gland	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Kidney	Pelvis	Infiltration Cellular	Lymphocyte, Mild
Liver	Centrilobular	Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
Lymph Node	Mesenteric	Amyloid Deposition	Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Skin		Alopecia	Mild
Note: [ALOPECIA] TGLs = 1-8			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 226

TRT#: 8

SEX: Female

DAY ON TEST: 733

DOSE: 200MG/KG

DISP: Terminal Sacrifice

HISTO: 861086

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney	Collect Tub	Mineralization	Moderate
	Collect Tub	Necrosis	Coagulative, Mild
Liver	Centrilobular	Hepatocellular Adenoma	
	[Hepatocellular Adenoma TGLS = 3-5]	Hypertrophy	Minimal
Lung		Alveolar/Bronchiolar Carcinoma	
	Note: [ALV BRON CARC] TGLs = 1-12		
Lymph Node	Mesenteric	Lymphoma Malignant Histiocytic	
Ovary	Follicle	Hematocyst	Moderate
Spleen		Lymphoma Malignant Histiocytic	
	[Lymphoma Malignant Histiocytic TGLS = 2-5]		
Uterus		Hydrometra	Moderate
	Note: [HYDROMETRA] TGLs = 4-8		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 227

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 200MG/KG

DISP: Terminal Sacrifice

HISTO: 861087

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node - Mesenteric	Mammary Gland	Nose	Parathyroid Gland
Pituitary Gland	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Liver	Centrilobular	Hypertrophy	Minimal
Lung	Bronchiole, Epithelium	Alveolar/Bronchiolar Adenoma	Mild
Note: [ALV BRON ADEN] TGLs = 3-11			
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Mild
Ovary		Cystadenoma	
Note: [CYSTADENOMA] TGLs = 2-8			
Pancreas		Infiltration Cellular	Lymphocyte, Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hydrometra	Moderate
Note: [HYDROMETRA] TGLs = 1-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 228

TRT#: 8

SEX: Female

DAY ON TEST: 615

DOSE: 200MG/KG

DISP: Moribund

HISTO: 861088

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Mild
Kidney		Infiltration Cellular	Lymphocyte, Minimal
Liver		Mineralization	Mild
		Syncytial Alteration	Minimal
Lung	Alveolus	Hemorrhage	Moderate
	Bronchiole, Epithelium	Necrosis	Minimal
Note: [HEMORRHAGE] TGLs = 3-6			
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Stomach	Glandular	Infiltration Cellular	Lymphocyte, Mild
Thymus		Necrosis	Coagulative, Moderate
Urinary Bladder		Infiltration Cellular	Lymphocyte, Moderate
Uterus		Hydrometra	Moderate
		Sarcoma Stromal	

Note: [HYDROMETRA] TGLs = 2-8

Note: [SARC STROMAL] TGLs = 1-11

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 229

TRT#: 8

SEX: Female

DAY ON TEST: 225

DOSE: 200MG/KG

DISP: Dead

HISTO: 861089

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Kidney	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Ovary
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Thyroid Gland	Trachea	Uterus	

MISSING

Intestine Small - Ileum	Parathyroid Gland
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AUTO PRECLUDES DIAG.

Gallbladder	Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic
Nose	Pancreas	Spleen	Stomach - Glandular
Urinary Bladder			

OBSERVATIONS

Liver	Fatty Change	Mild
	Syncytial Alteration	Mild
[Fatty Change TGLS = 1-2]		
Thymus	Atrophy	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 232	TRT#: 8	SEX: Female	DAY ON TEST: 678
	DOSE: 200MG/KG	DISP: Moribund	HISTO: 861092

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	

MISSING

Lymph Node - Mandibular	Parathyroid Gland	Thymus	Thyroid Gland
Trachea			

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Minimal
Liver	Centrilobular	Hypertrophy	Minimal
		Syncytial Alteration	Mild
Lung		Alveolar/Bronchiolar Carcinoma	
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hydrometra	Marked

Note: [HYDROMETRA] TGLs = 1-8

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 233

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 200MG/KG

DISP: Terminal Sacrifice

HISTO: 861093

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

Adrenal Gland - Medulla
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Mammary Gland
Pituitary Gland
Stomach - Glandular

Bone
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Ovary
Skin
Thymus

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

OBSERVATIONS

Kidney
Liver
Lung
Nose
Salivary Glands
Urinary Bladder
Uterus

Lumen

Infiltration Cellular
Clear Cell Focus
Alveolar/Bronchiolar Adenoma
Inflammation
Infiltration Cellular
Infiltration Cellular
Sarcoma Stromal

Lymphocyte, Minimal
Minimal
Suppurative, Mild
Lymphocyte, Mild
Lymphocyte, Minimal

Note: [SARC STROMAL] TGLs = 1-8

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 235	TRT#: 8	SEX: Female	DAY ON TEST: 684
	DOSE: 200MG/KG	DISP: Dead	HISTO: 861095

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Heart	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Skin	Spleen
Stomach - Forestomach	Thymus	Trachea	Urinary Bladder
Uterus			

AUTO PRECLUDES DIAG.

Brain	Gallbladder	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Stomach - Glandular	Thyroid Gland		

OBSERVATIONS

Kidney		Infiltration Cellular	Lymphocyte, Minimal
Liver		Congestion	Marked
		Eosinophilic Focus	Mild
		Syncytial Alteration	Minimal
Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Mild
Note: [ALV BRON ADEN] TGLs = 3-11			
Pituitary Gland	Pars Distalis	Cyst	Moderate
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 236

TRT#: 8

SEX: Female

DAY ON TEST: 733

DOSE: 200MG/KG

DISP: Terminal Sacrifice

HISTO: 861096

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Islets, Pancreatic	Lymph Node - Mandibular	Mammary Gland
Nose	Parathyroid Gland	Pituitary Gland	Skin
Stomach - Forestomach	Stomach - Glandular	Trachea	

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
	Spindle Cell	Hyperplasia	Mild
Bone Marrow		Lymphoma Malignant Lymphocytic	
Gallbladder		Lymphoma Malignant Lymphocytic	
Intestine Small	Ileum	Lymphoma Malignant Lymphocytic	
	Jejunum	Lymphoma Malignant Lymphocytic	
Note: [LYMPH MAL LYMP] TGLs = 6-11			
Note: [LYMPH MAL LYMP] TGLs = 7-11			
Kidney		Lymphoma Malignant Lymphocytic	
Note: [LYMPH MAL LYMP] TGLs = 1-8			
Liver		Lymphoma Malignant Lymphocytic	
Lung		Lymphoma Malignant Lymphocytic	
Lymph Node	Mesenteric	Lymphoma Malignant Mixed	
Note: [LYMPH MAL MIXD] TGLs = 4-14			
Ovary	Follicle	Cyst	Moderate
Note: [CYST] TGLs = 5-8			
Salivary Glands		Lymphoma Malignant Lymphocytic	
Spleen		Lymphoma Malignant Lymphocytic	
Note: [LYMPH MAL LYMP] TGLs = 2-5			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 236

TRT#: 8

SEX: Female

DAY ON TEST: 733

DOSE: 200MG/KG

DISP: Terminal Sacrifice

HISTO: 861096

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [HYPERPLASIA] TGLs = 3-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Coumarin

CAS Number: 91-64-5

Date Report Requested: 10/21/2014

Time Report Requested: 16:21:57

First Dose M/F: NA / NA

Lab: AM BIO

ANIMAL ID: 237

TRT#: 8

SEX: Female

DAY ON TEST: 358

DOSE: 200MG/KG

DISP: Dead

HISTO: 861097

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Ovary
Skin
Thymus
Uterus

Adrenal Gland - Medulla
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Pancreas
Spleen
Thyroid Gland

Bone
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Pituitary Gland
Stomach - Forestomach
Trachea

Bone Marrow
Heart
Intestine Small - Duodenum
Kidney
Nose
Salivary Glands
Stomach - Glandular
Urinary Bladder

MISSING

Parathyroid Gland

OBSERVATIONS

Liver

Necrosis
Syncytial Alteration

Coagulative, Marked
Minimal

Note: [NECROSIS] TGLs = 1-2

Lung

Bronchiole

Inflammation

Suppurative, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 238

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 200MG/KG

DISP: Terminal Sacrifice

HISTO: 861098

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Minimal
Heart	Artery	Mineralization	Moderate
Liver		Hepatocellular Adenoma	
		Syncytial Alteration	Mild
Note: [HEPATOCLR ADEN] TGLs = 3-12			
Lung		Alveolar/Bronchiolar Adenoma	
Lymph Node	Pancreatic	Lymphoma Malignant Lymphocytic	
Note: [LYMPH MAL LYMP] TGLs = 4-11			
Spleen		Lymphoma Malignant Lymphocytic	
Note: [LYMPH MAL LYMP] TGLs = 1-5			
Thymus		Lymphoma Malignant Lymphocytic	
Uterus		Hyperplasia	Cystic, Moderate
Note: [HYPERPLASIA] TGLs = 2-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 240

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 200MG/KG

DISP: Terminal Sacrifice

HISTO: 861100

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Spindle Cell	Adenoma	
Liver		Hepatocellular Adenoma	Multiple
Note: [HEPATOCLR ADEN] TGLs = 4,9-5,3-13			
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 8-11			
Lymph Node	Inguinal	Lymphoma Malignant Lymphocytic	
	Mandibular	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
	Pancreatic	Lymphoma Malignant Lymphocytic	
	Renal	Lymphoma Malignant Lymphocytic	
Note: [LYMPH MAL LYMP] TGLs = 7-16			
Note: [LYMPH MAL LYMP] TGLs = 5-14,6-15			
Note: [LYMPH MAL LYMP] TGLs = 1-12			
Thyroid Gland	Follicular Cel	Adenoma	
Uterus		Hyperplasia	Cystic, Mild
Note: [HYPERPLASIA] TGLs = 2-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 241

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 200MG/KG

DISP: Terminal Sacrifice

HISTO: 861101

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Harderian Gland		Adenoma	
Note: [ADENOMA] TGLs = 4-12			
Liver	Centrilobular	Hypertrophy	Minimal
		Infiltration Cellular	Lymphocyte, Minimal
		Alveolar/Bronchiolar Adenoma	Multiple
Lung			
Note: [ALV BRON ADEN] TGLs = 2,3-11			
Pancreas		Infiltration Cellular	Lymphocyte, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Moderate
Note: [HYPERPLASIA] TGLs = 1-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 242	TRT#: 8	SEX: Female	DAY ON TEST: 732
	DOSE: 200MG/KG	DISP: Terminal Sacrifice	HISTO: 861102

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Minimal
Liver		Syncytial Alteration	Minimal
Lung		Alveolar/Bronchiolar Carcinoma	
Uterus		Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 243

TRT#: 8

SEX: Female

DAY ON TEST: 456

DOSE: 200MG/KG

DISP: Interval Sacrifice

HISTO: 861103

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Kidney	Pelvis	Infiltration Cellular	Lymphocyte, Mild
Lung			
Note: NO LUNG NODULAR FOUND, MAY BE AREA POORLY INFILTRATED.			
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Mild
Note: [HYPERPLASIA] TGLs = 1-5			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 244	TRT#: 8	SEX: Female	DAY ON TEST: 732
	DOSE: 200MG/KG	DISP: Terminal Sacrifice	HISTO: 861104

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Liver		Basophilic Focus	Mild
		Hepatocellular Adenoma	
	Centrilobular	Hypertrophy	Minimal
Note: [HEPATOCLR ADEN] TGLs = 3-5			
Ovary	Follicle	Cyst	Marked
Note: [CYST] TGLs = 1-8			
Uterus		Hyperplasia	Cystic, Marked
Note: [HYPERPLASIA] TGLs = 2-8			

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 245

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 200MG/KG

DISP: Terminal Sacrifice

HISTO: 861105

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Liver		Hepatocellular Adenoma	
	Centrilobular	Hypertrophy	Minimal
		Syncytial Alteration	Minimal
Note: [HEPATOCLR ADEN] TGLs = 2-5			
Lung	Alveolar Epith	Hyperplasia	Mild
	Bronchiole, Epithelium	Hyperplasia	Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Stomach	Glandular	Dilatation	Moderate
Note: STOMACH-DILATATION OF GLANDULAR MUCOSAL GLAND			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Moderate
Note: [HYPERPLASIA] TGLs = 1-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 246	TRT#: 8	SEX: Female	DAY ON TEST: 716
	DOSE: 200MG/KG	DISP: Dead	HISTO: 861106

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Islets, Pancreatic
Lymph Node - Mandibular	Mammary Gland	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Thymus	Thyroid Gland	Trachea

AUTO PRECLUDES DIAG.

Gallbladder	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Kidney
Lymph Node - Mesenteric	Stomach - Forestomach	Stomach - Glandular	Urinary Bladder

OBSERVATIONS

Liver		Congestion	Moderate
		Hepatocellular Adenoma	
		Necrosis	Coagulative, Marked
[Hepatocellular Adenoma TGLS = 2-5]			
Lung	Bronchiole, Epithelium	Hyperplasia	Moderate
Nose	Lumen	Inflammation	Suppurative, Mild
Uterus		Hyperplasia	Cystic, Marked

Note: [HYPERPLASIA] TGLs = 1-8

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 247	TRT#: 8	SEX: Female	DAY ON TEST: 48
	DOSE: 200MG/KG	DISP: Gavage Death	HISTO: 861107

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Islets, Pancreatic	Kidney	Liver	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Intestine Small - Jejunum	Mammary Gland
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AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Stomach - Glandular		

OBSERVATIONS

Lung	Pleura	Inflammation	Suppurative, Mild
Note: [INFLAMMATION] TGLs = 2-3			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 248

TRT#: 8

SEX: Female

DAY ON TEST: 655

DOSE: 200MG/KG

DISP: Dead

HISTO: 861108

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Colon
Intestine Large - Rectum	Islets, Pancreatic	Kidney	Lung
Lymph Node - Mandibular	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Skin
Thyroid Gland	Trachea		

AUTO PRECLUDES DIAG.

Gallbladder	Intestine Large - Cecum	Intestine Small - Duodenum	Intestine Small - Ileum
Stomach - Forestomach	Stomach - Glandular		

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Intestine Small	Jejunum	Sarcoma	
Note: JEJUNAL MASS IMPOSSIBLE			
Note: [SARCOMA] TGLs = 2-4			
Note: AUTOLYTIC CHANGE MAKES DIAGNOSIS OF			
Liver		Eosinophilic Focus	Minimal
		Hepatocellular Carcinoma	
		Necrosis	Coagulative, Moderate
		Syncytial Alteration	Mild
Note: [HEPATOCLR CARC] TGLs = 1-11			
Lymph Node	Mesenteric	Hyperplasia	Histiocytic, Moderate
Salivary Glands		Infiltration Cellular	Lymphocyte, Moderate
Spleen		Hyperplasia	Histiocytic, Moderate
Thymus		Necrosis	Coagulative, Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 250	TRT#: 8	SEX: Female	DAY ON TEST: 426
	DOSE: 200MG/KG	DISP: Dead	HISTO: 861110

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Islets, Pancreatic	Kidney
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Thymus	Thyroid Gland	Trachea

MISSING

Lymph Node - Mandibular

AUTO PRECLUDES DIAG.

Gallbladder	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Spleen	Stomach - Forestomach	Stomach - Glandular	Urinary Bladder

OBSERVATIONS

Liver	Necrosis	Coagulative, Mild
	Syncytial Alteration	Mild
Lung	Congestion	Moderate
Uterus	Hydrometra	Moderate

Note: [HYDROMETRA] TGLs = 1-5

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 251	TRT#: 8 DOSE: 200MG/KG	SEX: Female DISP: Dead	DAY ON TEST: 257 HISTO: 861111
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Kidney
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Parathyroid Gland	Pituitary Gland
Skin	Spleen	Stomach - Forestomach	Thymus
Thyroid Gland	Trachea		

AUTO PRECLUDES DIAG.

Gallbladder	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Pancreas
Stomach - Glandular			

OBSERVATIONS

Liver		Congestion	Moderate
		Syncytial Alteration	Minimal
[Congestion TGLS = 2-2]			
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 252 **TRT#:** 8 **SEX:** Female **DAY ON TEST:** 637
DOSE: 200MG/KG **DISP:** Moribund **HISTO:** 861112

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Lung	Bronchiole, Epithelium	Hyperplasia	Mild
Mammary Gland		Inflammation	Necrotizing, Marked
Note: [INFLAMMATION] TGLs = 1-11			
Ovary		Cystadenoma	
Note: [CYSTADENOMA] TGLs = 2-8			
Uterus		Hydrometra	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 253

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 200MG/KG

DISP: Terminal Sacrifice

HISTO: 861113

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Brain	Meninges	Infiltration Cellular	Lymphocyte, Mild
Kidney		Infiltration Cellular	Lymphocyte, Mild
Liver	Centrilobular	Hypertrophy	Mild
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 1-11			
Nose	Lumen	Inflammation	Suppurative, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hydrometra	Moderate
Note: [HYDROMETRA] TGLs = 2-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 254

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 200MG/KG

DISP: Terminal Sacrifice

HISTO: 861114

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Pituitary Gland

OBSERVATIONS

Liver	Hepatocellular Adenoma	
	Syncytial Alteration	Minimal
Lung	Alveolar/Bronchiolar Adenoma	Multiple
Urinary Bladder	Infiltration Cellular	Lymphocyte, Mild
Uterus	Hydrometra	Marked

Note: [HYDROMETRA] TGLs = 1-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 255

TRT#: 8

SEX: Female

DAY ON TEST: 733

DOSE: 200MG/KG

DISP: Terminal Sacrifice

HISTO: 861115

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Infiltration Cellular	Lymphocyte, Mild
		Nephropathy	Mild
Liver		Eosinophilic Focus	Mild
	Centrilobular	Hepatocellular Adenoma	
		Hypertrophy	Mild
		Inflammation	Suppurative, Minimal
		Syncytial Alteration	Minimal
Note: [HEPATOCLR ADEN] TGLs = 1-12			
Lung		Alveolar/Bronchiolar Adenoma	
Pancreas		Infiltration Cellular	Lymphocyte, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 256

TRT#: 8

SEX: Female

DAY ON TEST: 288

DOSE: 200MG/KG

DISP: Moribund

HISTO: 861116

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Liver	Necrosis	Coagulative, Moderate
Note: [NECROSIS] TGLs = 2-2		
Note: [NECROSIS] TGLs = 1-2		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 257	TRT#: 8	SEX: Female	DAY ON TEST: 733
	DOSE: 200MG/KG	DISP: Terminal Sacrifice	HISTO: 861117

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea		

OBSERVATIONS

Liver		Hepatocellular Adenoma	
Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Mild
Note: [ALV BRON ADEN] TGLs = 1-11			
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Thyroid Gland	Follicle	Cyst	Moderate
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Moderate
Note: [HYPERPLASIA] TGLs = 3-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 258	TRT#: 8	SEX: Female	DAY ON TEST: 733
	DOSE: 200MG/KG	DISP: Terminal Sacrifice	HISTO: 861118

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Liver	Centrilobular	Basophilic Focus	Mild
		Hypertrophy	Minimal
		Syncytial Alteration	Minimal
Lung		Alveolar/Bronchiolar Adenoma	
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 259	TRT#: 8	SEX: Female	DAY ON TEST: 733
	DOSE: 200MG/KG	DISP: Terminal Sacrifice	HISTO: 861119

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Liver		Eosinophilic Focus	Mild
		Syncytial Alteration	Mild
Lung		Alveolar/Bronchiolar Carcinoma	
Nose	Lumen	Inflammation	Suppurative, Mild
Ovary		Hematocyst	
Note: [HEMATOCYST] TGLs = 2-8			
Thymus		Hyperplasia	Lymphoid, Mild
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 260

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 200MG/KG

DISP: Terminal Sacrifice

HISTO: 861120

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Liver		Eosinophilic Focus	Minimal
Lung		Alveolar/Bronchiolar Carcinoma	
Nose	Lumen	Inflammation	Suppurative, Mild
Uterus		Hydrometra	Marked
		Hyperplasia	Cystic, Mild

Note: [HYDROMETRA] TGLs = 1-8
[Hydrometra TGLS = 2-11]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 261	TRT#: 8	SEX: Female	DAY ON TEST: 260
	DOSE: 200MG/KG	DISP: Moribund	HISTO: 861121

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Liver	Necrosis	Coagulative, Marked
Note: [NECROSIS] TGLs = 1-2,2-2,3-2		
Thymus	Atrophy	Mild
Uterus	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 262	TRT#: 8	SEX: Female	DAY ON TEST: 733
	DOSE: 200MG/KG	DISP: Terminal Sacrifice	HISTO: 861122

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Intestine Large	Cecum	Hyperplasia	Lymphoid, Mild
Liver		Eosinophilic Focus	Mild
	Centrilobular	Hypertrophy	Minimal
		Syncytial Alteration	Minimal
Lung		Alveolar/Bronchiolar Adenoma	
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Stomach	Forestomach	Squamous Cell Papilloma	
Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 263

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 200MG/KG

DISP: Terminal Sacrifice

HISTO: 861123

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Moderate
Kidney	Pelvis	Infiltration Cellular	Lymphocyte, Marked
Note: [INFILTRAT CELL] TGLs = 1-8			
Liver	Centrilobular	Basophilic Focus	Mild
		Hypertrophy	Minimal
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 3-6,11			
Pancreas		Atrophy	Minimal
		Infiltration Cellular	Lymphocyte, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus		Hydrometra	Moderate
		Inflammation	Suppurative, Marked
Note: [HYDROMETRA] TGLs = 2-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 264

TRT#: 8

SEX: Female

DAY ON TEST: 496

DOSE: 200MG/KG

DISP: Moribund

HISTO: 861124

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney	Pelvis	Infiltration Cellular	Lymphocyte, Mild
Liver		Syncytial Alteration	Minimal
Lung	Bronchiole, Epithelium	Necrosis	Mild
Note: [NECROSIS] TGLs = 2-11			
Ovary	Follicle	Cyst	Moderate
Pancreas		Infiltration Cellular	Lymphocyte, Mild
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hydrometra	Moderate
Note: [HYDROMETRA] TGLs = 1-5			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 265

TRT#: 8

SEX: Female

DAY ON TEST: 718

DOSE: 200MG/KG

DISP: Gavage Death

HISTO: 861125

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Pancreas
Spleen
Thyroid Gland

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Parathyroid Gland
Stomach - Forestomach
Trachea

Bone
Gallbladder
Intestine Small - Duodenum
Kidney
Mammary Gland
Pituitary Gland
Stomach - Glandular
Urinary Bladder

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Nose
Skin
Thymus

OBSERVATIONS

Heart
Liver
 Note: [NECROSIS] TGLs = 2-5
Ovary
Salivary Glands
Uterus
 Note: [HYPERPLASIA] TGLs = 1-8

Bilateral, Corpus Luteum

Mineralization
Necrosis

Cyst
Infiltration Cellular
Hyperplasia

Mild
Coagulative, Marked

Moderate
Lymphocyte, Minimal
Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 267

TRT#: 8

SEX: Female

DAY ON TEST: 456

DOSE: 200MG/KG

DISP: Interval Sacrifice

HISTO: 861127

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Kidney	Pelvis	Infiltration Cellular	Lymphocyte, Minimal
Liver	Centrilobular	Hypertrophy	Mild
		Infiltration Cellular	Lymphocyte, Mild
Lymph Node	Pancreatic	Inflammation	Chronic Active, Moderate
Ovary			
Note: LEFT OVARY NOT FOUND. LY NODE SUBMITTED AS OVARY.			
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Skin		Alopecia	Mild
Note: [ALOPECIA] TGLs = 1-8			
Uterus		Inflammation	Suppurative, Moderate
Note: [INFLAMMATION] TGLs = 2-5			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 268	TRT#: 8	SEX: Female	DAY ON TEST: 615
	DOSE: 200MG/KG	DISP: Dead	HISTO: 861128

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Esophagus
Heart	Intestine Large - Rectum	Islets, Pancreatic	Kidney
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

Adrenal Gland - Medulla	Lymph Node - Mesenteric
-------------------------	-------------------------

AUTO PRECLUDES DIAG.

Gallbladder	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Pancreas	

OBSERVATIONS

Adrenal Gland	Cortex	Alveolar/Bronchiolar Carcinoma	Metastatic (Uncertain Primary Site)
Note: ADRENAL MEDULLA MAY BE OBLITERATED BY TUMOR			
Liver		Alveolar/Bronchiolar Carcinoma	Metastatic (Uncertain Primary Site)
Lung		Alveolar/Bronchiolar Carcinoma	
Note: [ALV BRON CARC] TGLs = 1,2,3-6			
Note: [ALV BRON CARC] TGLs = 1,2,3-11			
Thymus		Alveolar/Bronchiolar Carcinoma	Metastatic (Uncertain Primary Site)

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 269

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 200MG/KG

DISP: Terminal Sacrifice

HISTO: 861129

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Gallbladder

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Minimal
Liver	Centrilobular	Hypertrophy	Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Moderate

Note: [HYPERPLASIA] TGLs = 1-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 270

TRT#: 8

SEX: Female

DAY ON TEST: 139

DOSE: 200MG/KG

DISP: Dead

HISTO: 861130

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Liver
Mammary Gland
Skin
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Lung
Nose
Spleen
Uterus

Bone
Heart
Lymph Node - Mandibular
Ovary
Thymus

Bone Marrow
Kidney
Lymph Node - Mesenteric
Salivary Glands
Trachea

MISSING

Intestine Large - Rectum

Parathyroid Gland

Pituitary Gland

Thyroid Gland

AUTO PRECLUDES DIAG.

Gallbladder
Intestine Small - Ileum
Stomach - Forestomach

Intestine Large - Cecum
Intestine Small - Jejunum
Stomach - Glandular

Intestine Large - Colon
Islets, Pancreatic

Intestine Small - Duodenum
Pancreas

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 271	TRT#: 8	SEX: Female	DAY ON TEST: 611
	DOSE: 200MG/KG	DISP: Moribund	HISTO: 861131

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney	Cortex	Cyst Multilocular	Mild
Liver		Necrosis	Coagulative, Moderate
Note: [NECROSIS] TGLs = 1-5			
Lung	Alveolar Epith	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 272

TRT#: 8

SEX: Female

DAY ON TEST: 700

DOSE: 200MG/KG

DISP: Dead

HISTO: 861132

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Kidney
Nose
Pituitary Gland
Stomach - Forestomach
Uterus

Adrenal Gland - Medulla
Esophagus
Lymph Node - Mandibular
Ovary
Salivary Glands
Thyroid Gland

Bone
Intestine Large - Colon
Lymph Node - Mesenteric
Pancreas
Skin
Trachea

Bone Marrow
Islets, Pancreatic
Mammary Gland
Parathyroid Gland
Spleen
Urinary Bladder

AUTO PRECLUDES DIAG.

Gallbladder
Intestine Small - Ileum

Intestine Large - Cecum
Intestine Small - Jejunum

Intestine Large - Rectum
Stomach - Glandular

Intestine Small - Duodenum

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Heart
Liver

Mineralization
Mineralization
Necrosis
Syncytial Alteration

Moderate
Mild
Coagulative, Moderate
Mild

Note: [NECROSIS] TGLs = 1-5

Lung

Peribronchial
Bronchiole, Epithelium

Inflammation
Necrosis

Suppurative, Moderate
Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: ANIMAL DIED DUE TO A GAVAGE ERROR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 273

TRT#: 8

SEX: Female

DAY ON TEST: 456

DOSE: 200MG/KG

DISP: Interval Sacrifice

HISTO: 861133

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Mammary Gland	Nose	Ovary	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Minimal
Kidney	Pelvis	Infiltration Cellular	Lymphocyte, Mild
Liver	Centrilobular	Hypertrophy	Minimal
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Mild
Pancreas		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 274

TRT#: 8

SEX: Female

DAY ON TEST: 455

DOSE: 200MG/KG

DISP: Interval Sacrifice

HISTO: 861134

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Kidney	Pelvis	Infiltration Cellular	Lymphocyte, Mild
Liver	Centrilobular	Hypertrophy	Mild
		Syncytial Alteration	Minimal
Pancreas		Infiltration Cellular	Lymphocyte, Mild
Skin		Alopecia	Mild
Note: [ALOPECIA] TGLs = 1-8			
Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 275

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 200MG/KG

DISP: Terminal Sacrifice

HISTO: 861135

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Liver		Eosinophilic Focus	Mild
	Centrilobular	Hypertrophy	Minimal
		Lymphoma Malignant Lymphocytic	
Lung		Alveolar/Bronchiolar Adenoma	
Mesentery	Fat	Necrosis	Coagulative, Moderate
Note: [NECROSIS] TGLs = 1-11			
Pancreas		Lymphoma Malignant Lymphocytic	
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Spleen		Lymphoma Malignant Lymphocytic	
Note: [LYMPH MAL LYMP] TGLs = 2-5			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 276

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 200MG/KG

DISP: Terminal Sacrifice

HISTO: 861136

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Pituitary Gland	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Trachea
Urinary Bladder			

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Moderate
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 1-11			
Parathyroid Gland		Ectopic Thymus	Moderate
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus		Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 277	TRT#: 8	SEX: Female	DAY ON TEST: 732
	DOSE: 200MG/KG	DISP: Terminal Sacrifice	HISTO: 861137

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	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	Mammary Gland	Nose	Pancreas
Pituitary Gland	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Moderate
Liver	Centrilobular	Hypertrophy	Mild
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ALV BRON ADEN] TGLs = 2-11			
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Moderate
Ovary	Follicle	Cyst	Moderate
Salivary Glands		Infiltration Cellular	Lymphocyte, Minimal
Uterus		Hyperplasia	Cystic, Moderate
Note: [HYPERPLASIA] TGLs = 1-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 278

TRT#: 8

SEX: Female

DAY ON TEST: 733

DOSE: 200MG/KG

DISP: Terminal Sacrifice

HISTO: 861138

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Mild
Liver		Eosinophilic Focus	Moderate
Lung		Alveolar/Bronchiolar Adenoma	Multiple
Note: [ALV BRON ADEN] TGLs = 1,2-11			
Ovary	Follicle	Cyst	Moderate
Note: [CYST] TGLs = 3-8.1			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 279	TRT#: 8	SEX: Female	DAY ON TEST: 456
	DOSE: 200MG/KG	DISP: Interval Sacrifice	HISTO: 861139

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Pituitary Gland	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea

MISSING

Lymph Node - Mandibular	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Spindle Cell	Hyperplasia	Minimal
Kidney	Pelvis	Infiltration Cellular	Lymphocyte, Mild
Liver	Centrilobular	Hypertrophy	Minimal
		Syncytial Alteration	Minimal
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Skin		Alopecia	Minimal
Note: [ALOPECIA] TGLs = 1-8			
Urinary Bladder		Infiltration Cellular	Lymphocyte, Mild
Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05090-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Coumarin
CAS Number: 91-64-5

Date Report Requested: 10/21/2014
Time Report Requested: 16:21:57
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 280

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 200MG/KG

DISP: Terminal Sacrifice

HISTO: 861140

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Liver		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 4-11			
Lung		Alveolar/Bronchiolar Adenoma	Multiple
Note: [ALV BRON ADEN] TGLs = 5,6,7-12			
Mesentery	Fat	Necrosis	Coagulative, Moderate
Note: [NECROSIS] TGLs = 2-13			
Salivary Glands		Infiltration Cellular	Lymphocyte, Mild
Spleen		Hyperplasia	Lymphoid, Mild
Note: [HYPERPLASIA] TGLs = 3-5			
Stomach	Forestomach	Squamous Cell Papilloma	
Note: [PAPILOMA SQUA] TGLs = 1-13			

PRIMARY CAUSE OF DEATH

-

**** END OF REPORT ****

* PROTOCOL REQUIRED TISSUE