

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

<b>C Number:</b>	C50215B
<b>Lock Date:</b>	11/03/1999
<b>Cage Range:</b>	All
<b>Date Range:</b>	All
<b>Reasons For Removal:</b>	All
<b>Removal Date Range:</b>	All
<b>Treatment Groups:</b>	All
<b>Study Gender:</b>	Both
<b>PWG Approval Date</b>	11/02/2000

**Experiment Number:** 50215-03  
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**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 1	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9900001

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia Hypertrophy	Mild Minimal
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Adenoma	
[ Adenoma TGLS = 1-9 ]			
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
[ Hepatocellular Adenoma TGLS = 2,3-5+10 ]		Inflammation	Chronic Active, Minimal
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Preputial Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 2	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 732
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9900002

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Preputial Gland	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder		

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia Hypertrophy	Mild Minimal
* Bone	Femur	Fibrosarcoma	
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus Hepatocellular Adenoma Inflammation Vacuolization Cytoplasmic	Multiple Chronic Active, Minimal Mild
[ Hepatocellular Adenoma TGLS = 1-4+10 ]			
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hyperplasia	Lymphoid, Mild
* Thyroid Gland	Follicle	Cyst	Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

<b>ANIMAL ID:</b> 3	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 528
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Natural Death	<b>HISTO:</b> 9900003

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Nose	* Pancreas	* Pituitary Gland
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Carcinoma	
		Necrosis	Mild
[ Hepatocellular Carcinoma TGLS = 1-10 ]			
* Lung	Alveolar Epith	Hyperplasia	Mild
* Parathyroid Gland		Cyst	Minimal
* Preputial Gland	Bilateral, Duct	Ectasia	Moderate
		Infiltration Cellular	Mononuclear CI, Minimal
[ Ectasia TGLS = 2-8 ]			
* Prostate		Infiltration Cellular	Mononuclear CI, Mild
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Mild
* Skin		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild

**PRIMARY CAUSE OF DEATH** - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 4                      **TRT#:** 1                      **SEX:** Male                      **DAY ON TEST:** 723  
**DOSE:** 0 MG/KG                      **DISP:** Moribund Sacrifice                      **HISTO:** 9900004

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney	Capsule	Hepatocellular Carcinoma	Metastatic (Liver)
		Nephropathy	Mild
* Liver		Hepatocellular Carcinoma	
		Necrosis	Moderate
		[ Hepatocellular Carcinoma TGLS = 2-10 ]	
		[ Necrosis TGLS = 3-4 ]	
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Lymph Node, Mesenteric		Hemangioma	
		Hematopoietic Cell Proliferation	Mild
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
Oral Mucosa	Gingival	Foreign Body	
	Gingival	Inflammation	Suppurative, Mild
		Note: Foreign bodies are hair shafts.	
* Preputial Gland	Duct	Ectasia	Mild
		[ Ectasia TGLS = 1-8 ]	
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 4	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 723
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 9900004

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Liver	Hepatocellular Carcinoma	
CONTRIBUTORY CAUSE OF DEATH	- Lung	Hepatocellular Carcinoma Liver	

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 50215-03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Test Compound: Acrylonitrile  
CAS Number: 107-13-1

Date Report Requested: 10/20/2014  
Time Report Requested: 04:13:28  
First Dose M/F: NA / NA  
Lab: BAT

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<b>ANIMAL ID:</b> 5	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 732
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9900005

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia Hypertrophy	Minimal Mild
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus Hepatocellular Adenoma Vacuolization Cytoplasmic	Minimal
		[ Clear Cell Focus TGLS = 3,4-10+5 ] [ Hepatocellular Adenoma TGLS = 5-10 ]	
Mesentery	Fat	Necrosis	Marked
		[ Necrosis TGLS = 1-11 ]	
* Nose		Inflammation	Suppurative, Mild
* Preputial Gland	Bilateral, Duct	Ectasia	Moderate
		[ Ectasia TGLS = 2-8 ]	
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
Tooth		Malformation	

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

<b>ANIMAL ID:</b> 6	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9900006

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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
* 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 Cortex	Subcapsular Subcapsular	Adenoma Hyperplasia Hypertrophy	Mild Mild
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Mineralization Nephropathy	Minimal Minimal
* Liver		Hepatocellular Carcinoma Inflammation	Chronic Active, Minimal
[ Hepatocellular Carcinoma TGLS = 1-4 ]			
* Lung		Alveolar/Bronchiolar Adenoma	
* Lymph Node, Mesenteric		Inflammation	Chronic Active, Mild
Mesentery	Fat	Inflammation	Chronic Active, Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Mild

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

<b>ANIMAL ID:</b> 7	<b>TRT#:</b> 1 <b>DOSE:</b> 0 MG/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 730 <b>HISTO:</b> 9900007
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**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Mild
Note: TGL#4-11-NCL: Focus, documented at trim, not apparent histologically. [ Hepatocellular Adenoma TGLS = 2-4+10; 3-5 ]			
* Preputial Gland	Duct	Ectasia	Mild
		Inflammation	Chronic Active, Minimal
[ Ectasia TGLS = 1-8 ]			
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 8                      **TRT#:** 1                      **SEX:** Male                      **DAY ON TEST:** 732  
**DOSE:** 0 MG/KG                      **DISP:** Terminal Sacrifice                      **HISTO:** 9900008

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	Mesentery	* 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 Cortex	Subcapsular	Hyperplasia Hypertrophy Infiltration Cellular Adenoma	Mild Minimal Mononuclear CI, Minimal
* Epididymis Harderian Gland [ Adenoma TGLS = 3-9 ]			
* Kidney		Metaplasia Nephropathy Clear Cell Focus Hepatocellular Adenoma Infarct Vacuolization Cytoplasmic	Osseous, Minimal Minimal
* Liver  [ Clear Cell Focus TGLS = 2-4+5 ] [ Infarct TGLS = 4-10 ] Mesentery Note: Mesenteric nodule, documented at necropsy, is infarcted piece of liver histologically.			Marked Mild
* Preputial Gland  [ Ectasia TGLS = 1-8 ]	Duct	Ectasia Infiltration Cellular	Mild Mononuclear CI, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 8	<b>TRT#:</b> 1 <b>DOSE:</b> 0 MG/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 732 <b>HISTO:</b> 9900008
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<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>		
* Salivary Glands	Infiltration Cellular	Mononuclear CI, Minimal

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

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

<b>ANIMAL ID:</b> 9	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9900009

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Prostate	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

* Mammary Gland	* Pituitary Gland
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**OBSERVATIONS**

* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
	[ Hepatocellular Adenoma TGLS = 2-5 ]		
	[ Hepatocellular Carcinoma TGLS = 3-10 ]		
* Pancreas		Infiltration Cellular	Mononuclear CI, Minimal
* Preputial Gland	Duct	Ectasia	Mild
	[ Ectasia TGLS = 1-8 ]		
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Glandular	Glands	Ectasia	Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:28  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 10

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900010

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Epididymis	Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland	Infiltration Cellular	Mononuclear CI, Minimal
* Intestine Small, Jejunum [ Carcinoma TGLS = 3-10 ]	Carcinoma	
* Kidney	Metaplasia	Osseous, Minimal
	Mineralization	Minimal
	Nephropathy	Minimal
* Liver	Hepatocellular Adenoma	
	Mixed Cell Focus	
[ Hepatocellular Adenoma TGLS = 1-4 ]		
[ Mixed Cell Focus TGLS = 1-10 ]		
* Lymph Node, Mesenteric [ Hyperplasia TGLS = 2-5 ]	Hyperplasia	Lymphoid, Marked
* Prostate	Infiltration Cellular	Mononuclear CI, Minimal
* Spleen	Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 11

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900011

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	Peripheral Nerve
* Pituitary Gland	* Preputial Gland	* Prostate	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Epididymis		Infiltration Cellular	Mononuclear CI, Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Intestine Small, Jejunum		Carcinoma	
[ Carcinoma TGLS = 2-10 ]			
* Kidney	Cortex	Cyst	Mild
		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Inflammation	Chronic Active, Minimal
* Lym Node Mesen			
Note: TGL#3-5-NCL: Size of mesenteric lymph node within normal limits histologically.			
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 1-4 ]			
* Stomach, Glandular	Glands	Ectasia	Minimal
Tooth		Malformation	

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 12

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 633

**DOSE:** 0 MG/KG

**DISP:** Natural Death

**HISTO:** 9900012

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
* Liver	Centrilobular	Degeneration	Moderate
* Lung		Alveolar/Bronchiolar Carcinoma	
		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Note: Metastatic foci in lung parenchyma and also in the mediastinum. [ Alveolar/Bronchiolar Carcinoma TGLS = 1-10 ]			
Lymph Node	Mediastinal	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
* Thymus		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

- Lung Alveolar/Bronchiolar Carcinoma

CONTRIBUTORY CAUSE OF DEATH

- Lung Alveolar/Bronchiolar Carcinoma Lung;Lymph Node Mediastinal Alveolar/Bronchiolar Carcinoma Lung;Thymus Alveolar/Bronchiolar Carcinoma Lung

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 13

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900013

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	* Gallbladder	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Mammary Gland                      \* Thymus

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Bone Marrow		Hemangiosarcoma	
* Epididymis		Atrophy	Moderate
		Inflammation	Chronic Active, Mild
Harderian Gland			
Note: TGL#5-9-NCL: Cause of enlarged Harderian gland, documented at necropsy, not demonstrated histologically. Autolysis and insufficient tissue contributing factors.			
* Heart		Mineralization	Mild
* Liver		Hemangiosarcoma	Multiple
		Hepatocellular Carcinoma	
		Necrosis	Marked
[ Hemangiosarcoma TGLS = 3,4-10+11 ]			
[ Hepatocellular Carcinoma TGLS = 4-11 ]			
* Lung	Alveolar Epith	Hyperplasia	Mild
* Preputial Gland	Bilateral, Duct	Ectasia	Mild
	Bilateral	Inflammation	Chronic Active, Mild
[ Ectasia TGLS = 2-8 ]			
[ Inflammation TGLS = 2-8 ]			
* Spleen		Hematopoietic Cell Proliferation	Marked
* Stomach, Glandular		Ulcer	Mild

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 13	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 732
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9900013

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Testes	Mineralization	Moderate
[ Necrosis TGLS = 1-7 ]	Necrosis	Marked

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 14

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900014

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Nose	* Pancreas	* Pituitary Gland
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia Hypertrophy	Mild Minimal
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Adenoma	
[ Adenoma TGLS = 1-9 ]			
* Kidney	Renal Tubule	Hyperplasia Mineralization	Minimal Minimal
		Nephropathy	Mild
* Liver		Clear Cell Focus Hepatocellular Carcinoma	
[ Hepatocellular Carcinoma TGLS = 2-4 ]		Vacuolization Cytoplasmic	Mild
* Lung		Alveolar/Bronchiolar Adenoma	
* Parathyroid Gland		Cyst	Minimal
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 15

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900015

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

* Mammary Gland	* Thymus
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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
		Hypertrophy	Mild
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney	Cortex	Cyst	Mild
	Renal Tubule	Hyperplasia	Minimal
		Metaplasia	Osseous, Minimal
		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Inflammation	Chronic Active, Mild
* Lung		Alveolar/Bronchiolar Adenoma	
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
		Inflammation	Chronic Active, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hyperplasia	Lymphoid, Mild
		[ Hyperplasia TGLS = 1-4 ]	
* Stomach, Forestomach		Squamous Cell Papilloma	
		[ Squamous Cell Papilloma TGLS = 2-10 ]	

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 15

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900015

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 16

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900016

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	* Gallbladder	* 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
* Skin	* Stomach, Forestomach	* Thymus	* Thyroid Gland
* Trachea			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow		Lymphoma Malignant	
Coagulating Gland		Lymphoma Malignant	
* Epididymis		Lymphoma Malignant	
Harderian Gland		Lymphoma Malignant	
* Heart		Lymphoma Malignant	
* Kidney		Infarct	Mild
		Lymphoma Malignant	
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Angiectasis	Moderate
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
		Lymphoma Malignant	

Note: NO CORRELATING LESION FOR TGLS 4-10.

[ Angiectasis TGLS = 5-10 ]

[ Hepatocellular Adenoma TGLS = 3-4 ]

* Lung	Mediastinum	Lymphoma Malignant	
		Lymphoma Malignant	
Lymph Node	Mediastinal	Lymphoma Malignant	
	Renal	Lymphoma Malignant	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 16

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900016

**ORGAN AND ACCOUNTABLE SITE STATUS**

[ Lymphoma Malignant TGLS = 7-10 ]		
[ Lymphoma Malignant TGLS = 8-6 ]		
* Lymph Node, Mandibular	Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 2-2 ]		
* Lymph Node, Mesenteric	Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 6-5 ]		
Mesentery	Lymphoma Malignant	
* Pancreas	Lymphoma Malignant	
* Preputial Gland	Lymphoma Malignant	
* Prostate	Lymphoma Malignant	
* Salivary Glands	Lymphoma Malignant	
* Seminal Vesicle	Lymphoma Malignant	
* Spleen	Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 1-4 ]		
* Stomach, Glandular	Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 9-11 ]		
* Testes	Mineralization	Minimal
Tooth	Malformation	
* Urinary Bladder	Lymphoma Malignant	

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 17

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 607

**DOSE:** 0 MG/KG

**DISP:** Natural Death

**HISTO:** 9900017

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Necrosis	Moderate
[ Hepatocellular Adenoma TGLS = 1-10 ]			
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

CONTRIBUTORY CAUSE OF DEATH - Liver Necrosis

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 18

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900018

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Nose	* Pancreas	* Pituitary Gland
* 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 Cortex	Subcapsular	Adenoma	
		Hypertrophy	Mild
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Lung		Inflammation	Chronic Active, Minimal
* Preputial Gland	Duct	Ectasia	Moderate
[ Ectasia TGLS = 1-8 ]			
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 19

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 723

**DOSE:** 0 MG/KG

**DISP:** Natural Death

**HISTO:** 9900019

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Gallbladder	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian GI			
Note: Only one harderian gland available for histologic examination.			
* Intestine Small, Jejunum		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 4-12 ]			
* Kidney		Mineralization	Minimal
* Liver		Inflammation	Chronic Active, Minimal
Lymph Node	Mediastinal	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 2-11 ]			
[ Lymphoma Malignant TGLS = 1-10 ]			
* Lymph Node, Mesenteric		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 3-5 ]			
* Pancreas		Lymphoma Malignant	
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Lymphoma Malignant	
* Thymus		Atrophy	Moderate

**PRIMARY CAUSE OF DEATH** - Intestine Small, Jejunum Lymphoma Malignant

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 20

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 582

**DOSE:** 0 MG/KG

**DISP:** Natural Death

**HISTO:** 9900020

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	* Gallbladder	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Pituitary Gland	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow		Hemangiosarcoma	
* Epididymis		Granuloma Sperm	Mild
* Kidney		Mineralization	Mild
Note: TGL#1-4-NCL: Cause of pale discoloration, documented at necropsy not apparent histologically. May be due to slight autolysis.			
* Preputial Gland	Duct	Ectasia	Mild
[ Ectasia TGLS = 3-8 ]			
* Prostate		Inflammation	Chronic Active, Mild
[ Inflammation TGLS = 2-8 ]			
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Skin	Subcut Tiss	Hemangiosarcoma	
* Spleen		Hemangiosarcoma	
[ Hemangiosarcoma TGLS = 4-4 ]			
* Testes	Germinal Epith	Degeneration	Mild
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

- Spleen Hemangiosarcoma

CONTRIBUTORY CAUSE OF DEATH

- Bone Marrow Hemangiosarcoma; Skin Subcut Tiss Hemangiosarcoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 21                      **TRT#:** 1                      **SEX:** Male                      **DAY ON TEST:** 730  
**DOSE:** 0 MG/KG                      **DISP:** Terminal Sacrifice                      **HISTO:** 9900021

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* 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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**INSUFFICIENT TISSUE**

\* Preputial Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
		Hypertrophy	Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
		Vacuolization Cytoplasmic	Mild
		[ Clear Cell Focus TGLS = 2,3-4+10 ]	
		[ Hepatocellular Adenoma TGLS = 1,3-5+10 ]	
* Lymph Node, Mesenteric		Hemangioma	
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal

PRIMARY CAUSE OF DEATH                      -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 22      **TRT#:** 1      **SEX:** Male      **DAY ON TEST:** 731  
**DOSE:** 0 MG/KG      **DISP:** Terminal Sacrifice      **HISTO:** 9900022

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia Hypertrophy	Mild Mild
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Adenoma	
* Kidney	Renal Tubule Cortex Renal Tubule	Adenoma Cyst Hyperplasia Mineralization Nephropathy	Mild Minimal Minimal Minimal
	[ Adenoma TGLS = 1-10 ]		
* Liver		Inflammation Vacuolization Cytoplasmic	Chronic Active, Minimal Mild
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03

**Test Type:** CHRONIC

**Route:** GAVAGE

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acrylonitrile

**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 04:13:29

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

**Lab:** BAT

**ANIMAL ID:** 23

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900023

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Nose	* Pancreas	* Pituitary Gland
* Preputial Gland	* 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 Cortex	Subcapsular	Hyperplasia	Minimal
		Hypertrophy	Mild
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
		[ Clear Cell Focus TGLS = 1,2-10+11 ]	
		[ Hepatocellular Adenoma TGLS = 2,4-11+5 ]	
* Lung		Alveolar/Bronchiolar Adenoma	
		[ Alveolar/Bronchiolar Adenoma TGLS = 3-3 ]	
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
Tooth		Malformation	

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 24

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900024

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Nose	* Pancreas	* Pituitary Gland	* 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 Cortex	Subcapsular	Hyperplasia	Mild
* Epididymis		Infiltration Cellular	Mononuclear Cl, Minimal
Harderian Gland		Infiltration Cellular	Mononuclear Cl, Minimal
* Intestine Small, Jejunum	Peyers Patch	Hyperplasia	Lymphoid, Moderate
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hemangiosarcoma	Multiple
		Hepatocellular Adenoma	Chronic Active, Minimal
		Inflammation	Mild
		Vacuolization Cytoplasmic	
[ Hemangiosarcoma TGLS = 4-10 ]			
[ Hepatocellular Adenoma TGLS = 2,3,6,7-4+10 ]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Moderate
[ Hyperplasia TGLS = 5-5 ]			
* Preputial Gland		Infiltration Cellular	Mononuclear Cl, Mild
[ Infiltration Cellular TGLS = 1-8 ]			
* Prostate		Infiltration Cellular	Mononuclear Cl, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 24

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900024

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Salivary Glands

Infiltration Cellular

Mononuclear CI, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 25

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900025

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Minimal
[ Clear Cell Focus TGLS = 1,2-10/3-5 ]			
[ Hepatocellular Adenoma TGLS = 2,4-10+4 ]			
[ Hepatocellular Carcinoma TGLS = 5-10 ]			
[ Mixed Cell Focus TGLS = 3-5 ]			
* Lung		Alveolar/Bronchiolar Adenoma	
* Preputial Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 26

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900026

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	Mesentery	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney	Cortex	Cyst	Mild
		Infarct	Mild
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
		Infarct	Marked
		Inflammation	Chronic Active, Minimal
			[ Hepatocellular Adenoma TGLS = 3-4 ]
			[ Hepatocellular Carcinoma TGLS = 1,2-12+11 ]
			[ Infarct TGLS = 4-10 ]
* Lung		Alveolar/Bronchiolar Adenoma	
		Erythrophagocytosis	Moderate
		Inflammation	Chronic Active, Mild
			[ Alveolar/Bronchiolar Adenoma TGLS = 5-10 ]

Mesentery

Note: TGL#4-10: Mesenteric fat nodule, documented at necropsy, is infarcted piece of liver histologically.

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 26

**TRT#:** 1  
**DOSE:** 0 MG/KG

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

**DAY ON TEST:** 731  
**HISTO:** 9900026

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Pituitary Gland	Pars Intermed	Adenoma	
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 27

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900027

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Preputial Gland	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyms	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
		Hypertrophy	Mild
* Epididymis		Infiltration Cellular	Mononuclear Cl, Minimal
Harderian Gland		Infiltration Cellular	Mononuclear Cl, Minimal
* Kidney	Cortex	Cyst	Minimal
	Renal Tubule	Hyperplasia	Mild
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Mild
	[ Vacuolization Cytoplasmic TGLS = 1-4 ]		
* Prostate		Infiltration Cellular	Mononuclear Cl, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear Cl, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 28

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 712

**DOSE:** 0 MG/KG

**DISP:** Natural Death

**HISTO:** 9900028

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
Blood Vessel			
Note: Aorta with heart on slide #03.			
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Hyperplasia	Mild
* Kidney		Mineralization	Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Lung		Alveolar/Bronchiolar Carcinoma	
		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Inflammation	Chronic Active, Marked
		Necrosis	Mild
[ Alveolar/Bronchiolar Carcinoma TGLS = 1-3 ]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Depletion Cellular	Moderate
* Stomach, Forestomach		Hyperkeratosis	Focal, Moderate
	Epithelium	Hyperplasia	Focal, Moderate
[ Hyperplasia TGLS = 2-5 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 28

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 712

**DOSE:** 0 MG/KG

**DISP:** Natural Death

**HISTO:** 9900028

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

- Lung Alveolar/Bronchiolar Carcinoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 29

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 714

**DOSE:** 0 MG/KG

**DISP:** Natural Death

**HISTO:** 9900029

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Gallbladder	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lymph Node, Mandibular	* Nose	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Epididymis		Sarcoma	Metastatic (Mesentery)
* Kidney	Cortex	Cyst	Mild
		Infarct	Mild
		Mineralization	Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
* Lym Node Mesen			
Note: TGL#3-11: Enlarged mesenteric lymph node, documented at necropsy, is mesenteric arcoma which is obliterating adjacent tissue such as pancreas.			
Lymph Node	Mediastinal	Sarcoma	Metastatic (Mesentery)
Mesentery		Sarcoma	
[ Sarcoma TGLS = 3-11 ]			
Oral Mucosa	Gingival	Foreign Body	
	Gingival	Inflammation	Suppurative, Mild
Note: Foreign bodies are hair shafts.			
* Pancreas		Sarcoma	Metastatic (Mesentery)
* Preputial Gland		Inflammation	Chronic Active, Mild
[ Inflammation TGLS = 1-8 ]			
* Seminal Vesicle		Sarcoma	Metastatic (Mesentery)
Skeletal Muscle		Sarcoma	Metastatic (Mesentery)

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 29

**TRT#:** 1  
**DOSE:** 0 MG/KG

**SEX:** Male  
**DISP:** Natural Death

**DAY ON TEST:** 714  
**HISTO:** 9900029

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Sarcoma TGLS = 2-10 ]

* Spleen	Hematopoietic Cell Proliferation	Mild
* Thymus	Atrophy	Moderate
Tooth	Malformation	

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**PRIMARY CAUSE OF DEATH** - Mesentery Sarcoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 30	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 732
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9900030

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* 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		

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Epididymis		Infiltration Cellular	Mononuclear Cl, Minimal
Harderian Gland		Infiltration Cellular	Mononuclear Cl, Minimal
* Kidney		Metaplasia	Osseous, Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Vacuolization Cytoplasmic	Mild
* Lung		Metaplasia	Osseous, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 50215-03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Test Compound: Acrylonitrile  
 CAS Number: 107-13-1

Date Report Requested: 10/20/2014  
 Time Report Requested: 04:13:29  
 First Dose M/F: NA / NA  
 Lab: BAT

ANIMAL ID: 31

TRT#: 1  
 DOSE: 0 MG/KG

SEX: Male  
 DISP: Terminal Sacrifice

DAY ON TEST: 730  
 HISTO: 9900031

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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	* Seminal Vesicle	* Skin
* Spleen	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

\* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Metaplasia	Osseous, Mild
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Mild
[ Clear Cell Focus TGLS = 2,4-12+13 ]			
[ Hepatocellular Adenoma TGLS = 1,4-11+13 ]			
[ Mixed Cell Focus TGLS = 4-13 ]			
* Preputial Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
* Stomach, Glandular		Hyperplasia	Focal, Mild
[ Hyperplasia TGLS = 3-10 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 31

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900031

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 32

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900032

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Intestine Small, Jejunum	Peyers Patch	Hyperplasia	Lymphoid, Moderate
[ Hyperplasia TGLS = 4-11 ]			
* Kidney	Cortex	Cyst	Minimal
		Nephropathy	Mild
* Liver		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
[ Hepatocellular Carcinoma TGLS = 3-10 ]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Preputial Gland	Duct	Ectasia	Moderate
[ Ectasia TGLS = 1-8 ]			
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 2-4 ]			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 33

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900033

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular Subcapsular	Adenoma Hyperplasia Hypertrophy Infiltration Cellular Infiltration Cellular Nephropathy Hepatocellular Adenoma Inflammation Mixed Cell Focus	Minimal Mild Mononuclear CI, Minimal Mononuclear CI, Minimal Minimal Multiple Chronic Active, Mild
[ Hepatocellular Adenoma TGLS = 1,2-10+4+11 ]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Preputial Gland	Duct	Ectasia	Moderate
[ Ectasia TGLS = 3-8 ]			
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Seminal Vesicle		Carcinoma Inflammation	Chronic Active, Moderate
[ Carcinoma TGLS = 4-7 ]			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 33

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900033

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 34

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900034

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
		Hypertrophy	Minimal
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
* Int Lg Cecum			
Note: Cecum is on slide #05.			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Minimal
[ Mixed Cell Focus TGLS = 2-5 ]			
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Mild
[ Alveolar/Bronchiolar Adenoma TGLS = 1-3 ]			
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
Tooth		Malformation	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 34

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900034

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 35                      **TRT#:** 1                      **SEX:** Male                      **DAY ON TEST:** 732  
**DOSE:** 0 MG/KG                      **DISP:** Terminal Sacrifice                      **HISTO:** 9900035

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
		Mineralization	Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Intestine Small, Jejunum		Lymphoma Malignant	
	[ Lymphoma Malignant TGLS = 5-11 ]		
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	
	[ Eosinophilic Focus TGLS = 6-4 ]		
	[ Hepatocellular Adenoma TGLS = 3-10 ]		
Lymph Node	Mediastinal	Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
	[ Lymphoma Malignant TGLS = 4-5 ]		
* Preputial Gland		Inflammation	Chronic Active, Marked
	[ Inflammation TGLS = 1-8 ]		
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 35	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 732
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9900035

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Hematopoietic Cell Proliferation TGLS = 2-4 ]

* Thymus	Atrophy	Moderate
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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 36	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9900036

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia Hypertrophy	Mild Mild
* Epididymis		Inflammation	Chronic Active, Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Infarct	Moderate
		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	
[ Eosinophilic Focus TGLS = 5-5 ]			
[ Hepatocellular Adenoma TGLS = 2-10 ]			
* Lung	Mediastinum	Inflammation	Chronic Active, Mild
Note: Mediastinal lesion on slide #06.			
Mesentery	Fat	Necrosis	Marked
[ Necrosis TGLS = 1-10 ]			
* Preputial Gland	Duct	Ectasia	Mild
		Infiltration Cellular	Mononuclear CI, Minimal
[ Ectasia TGLS = 3-8 ]			
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 36	<b>TRT#:</b> 1 <b>DOSE:</b> 0 MG/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 731 <b>HISTO:</b> 9900036
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Testes	Germinal Epith	Degeneration	Marked
[ Degeneration TGLS = 4-7 ]			
* Thyroid Gland	Follicle	Cyst	Mild
Tooth		Malformation	

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 37

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900037

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Gallbladder	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* 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 Cortex	Subcapsular	Hyperplasia Hypertrophy	Mild Minimal
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus Eosinophilic Focus Hepatocellular Adenoma Inflammation Mixed Cell Focus Vacuolization Cytoplasmic	Chronic Active, Minimal  Mild
[ Clear Cell Focus TGLS = 3,4-5+4 ] [ Hepatocellular Adenoma TGLS = 2-10 ]			
* Preputial Gland	Bilateral, Duct	Ectasia	Mild
[ Ectasia TGLS = 1-8 ]			
Tooth		Malformation	

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 38

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900038

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Preputial Gland	* Prostate
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Mild
[ Hepatocellular Adenoma TGLS = 2,3-4+10 ]			
[ Hepatocellular Carcinoma TGLS = 1-5 ]			
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 39

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900039

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Nose	* 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**

* Epididymis		Infiltration Cellular	Mononuclear CI, Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney	Cortex	Cyst	Minimal
		Inflammation	Chronic Active, Mild
		Nephropathy	Minimal
* Liver		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
		[ Hepatocellular Carcinoma TGLS = 2-10 ]	
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Pancreas		Inflammation	Chronic Active, Mild
* Preputial Gland	Duct	Ectasia	Mild
		Infiltration Cellular	Mononuclear CI, Minimal
		[ Ectasia TGLS = 1-8 ]	
* Spleen		Hematopoietic Cell Proliferation	Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 40

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900040

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Cyst Multilocular	Mild
Note: Cystic structures subcapsular in one adrenal cortex. Unable to code using current TDMS lexicon.			
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Inflammation	Chronic Active, Mild
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Mild
	[ Clear Cell Focus TGLS = 2-4 ]		
	[ Eosinophilic Focus TGLS = 2-5 ]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[ Alveolar/Bronchiolar Adenoma TGLS = 1-10 ]		
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 40

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900040

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 41

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900041

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney	Renal Tubule	Hyperplasia	Mild
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Mixed Cell Focus	
[ Mixed Cell Focus TGLS = 1-10 ]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Moderate
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Forestomach		Hyperkeratosis	Focal, Mild
	Epithelium	Hyperplasia	Focal, Moderate
		Inflammation	Chronic Active, Focal, Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 42

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 636

**DOSE:** 0 MG/KG

**DISP:** Natural Death

**HISTO:** 9900042

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Gallbladder	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Trachea
* Urinary Bladder			

**MISSING**

* Lymph Node, Mesenteric	* Mammary Gland
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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
* Heart		Mineralization	Mild
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
	[ Hepatocellular Adenoma TGLS = 1,3-11+4 ]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	[ Alveolar/Bronchiolar Carcinoma TGLS = 2-10 ]		
* Preputial Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicle	Cyst	Mild

PRIMARY CAUSE OF DEATH	- Lung	Alveolar/Bronchiolar Carcinoma
CONTRIBUTORY CAUSE OF DEATH	- Liver	Hepatocellular Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 43

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 464

**DOSE:** 0 MG/KG

**DISP:** Natural Death

**HISTO:** 9900043

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Carcinoma	Multiple
		Vacuolization Cytoplasmic	Minimal
	[ Hepatocellular Carcinoma TGLS = 1,2-10 ]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Squamous Cell Papilloma	
	[ Squamous Cell Papilloma TGLS = 3-5 ]		

**PRIMARY CAUSE OF DEATH**

- Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 44	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9900044

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Carcinoma	
		Infiltration Cellular	Mononuclear CI, Minimal
[ Carcinoma TGLS = 1-9 ]			
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Pigmentation	Minimal
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Moderate
* Preputial Gland	Duct	Ectasia	Mild
[ Ectasia TGLS = 2-8 ]			
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 45

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900045

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Pituitary Gland
* 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**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
		Hypertrophy	Mild
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Heart		Schwannoma Malignant	
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Mild
[ Clear Cell Focus TGLS = 1,2-5+4 ]			
* Preputial Gland	Duct	Ectasia	Mild
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
Tooth		Malformation	

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 46

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900046

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Pituitary Gland
* 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 Cortex	Subcapsular	Hyperplasia	Mild
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Heart		Inflammation	Chronic Active, Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
* Preputial Gland	Duct	Ectasia	Mild
		Infiltration Cellular	Mononuclear CI, Minimal
	[ Ectasia TGLS = 1-8 ]		
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 50215-03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Test Compound: Acrylonitrile  
 CAS Number: 107-13-1

Date Report Requested: 10/20/2014  
 Time Report Requested: 04:13:29  
 First Dose M/F: NA / NA  
 Lab: BAT

<b>ANIMAL ID:</b> 47	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9900047

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
		Hypertrophy	Mild
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney	Cortex	Cyst	Mild
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Mild
[ Clear Cell Focus TGLS = 2,3,4-10+4 ]			
[ Hepatocellular Adenoma TGLS = 1-11 ]			
* Lung		Alveolar/Bronchiolar Adenoma	
[ Alveolar/Bronchiolar Adenoma TGLS = 5-12 ]			
* Preputial Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 48	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 617
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Natural Death	<b>HISTO:</b> 9900048

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Infarct	Mild
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		[ Hepatocellular Adenoma TGLS = 2-4 ]	
		[ Hepatocellular Carcinoma TGLS = 1-10 ]	
* Lung		Alveolar/Bronchiolar Carcinoma	
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild

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**PRIMARY CAUSE OF DEATH** - Liver Hepatocellular Carcinoma

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 49

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 664

**DOSE:** 0 MG/KG

**DISP:** Natural Death

**HISTO:** 9900049

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Gallbladder	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
Mesentery	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Epididymis		Infiltration Cellular	Mononuclear Cl, Minimal
Harderian Gland		Infiltration Cellular	Mononuclear Cl, Minimal
* Heart	Pericardium	Hepatocellular Carcinoma	Metastatic (Liver)
	[ Hepatocellular Carcinoma TGLS = 5-11 ]		
* Intestine Small, Duodenum		Polyp Adenomatous	
* Liver		Eosinophilic Focus	
	[ Hepatocellular Carcinoma TGLS = 1,2,3-12+11+10 ]	Hepatocellular Carcinoma	Multiple
* Lung	Mediastinum	Hepatocellular Carcinoma	Metastatic (Liver)
	[ Hepatocellular Carcinoma TGLS = 4-10 ]	Hepatocellular Carcinoma	Metastatic (Liver)
Lymph Node	Mediastinal	Hepatocellular Carcinoma	Metastatic (Liver)
Mesentery			
	Note: TGL#1-12: Mesenteric fat mass, documented at necropsy, is hepatocellular carcinoma involving the liver.		
* Nose	Nasolacrimal Duct	Inflammation	Suppurative, Mild
* Prostate		Infiltration Cellular	Mononuclear Cl, Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
* Thymus		Hepatocellular Carcinoma	Metastatic (Liver)

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 49

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 664

**DOSE:** 0 MG/KG

**DISP:** Natural Death

**HISTO:** 9900049

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

CONTRIBUTORY CAUSE OF DEATH

- Heart Pericardium Hepatocellular Carcinoma Liver;Lung Mediastinum Hepatocellular Carcinoma Liver;Lung Hepatocellular Carcinoma Liver

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 50

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900050

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
		Hypertrophy	Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney	Cortex	Cyst	Mild
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 51	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> 2.5 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9900051

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Preputial Gland	* Prostate
* 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 Cortex	Subcapsular	Hyperplasia	Minimal
Harderian Gland		Adenoma	
[ Adenoma TGLS = 1-9 ]			
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
[ Hepatocellular Adenoma TGLS = 2-3+5 ]		Hepatocellular Adenoma	
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

<b>ANIMAL ID:</b> 52	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 732
	<b>DOSE:</b> 2.5 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9900052

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Gallbladder	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Epididymis		Infiltration Cellular	Mononuclear CI, Mild
* Intestine Small, Duodenum		Ulcer	Marked
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Mild
		Pigmentation	Mild
Note: Eosinophilic focus is on slide #03I			
		[ Hepatocellular Adenoma TGLS = 5-5 ]	
		[ Hepatocellular Carcinoma TGLS = 4-10 ]	
* Lung		Alveolar/Bronchiolar Adenoma	
		[ Alveolar/Bronchiolar Adenoma TGLS = 7-3 ]	
* Lymph Node, Mandibular		Hematopoietic Cell Proliferation	Moderate
		[ Hematopoietic Cell Proliferation TGLS = 6-2 ]	
* Lymph Node, Mesenteric		Hemangioma	
		[ Hemangioma TGLS = 3-5 ]	
Mesentery	Fat	Necrosis	Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 52	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 732
	<b>DOSE:</b> 2.5 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9900052

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Necrosis TGLS = 2-10 ]		
* Prostate	Infiltration Cellular	Mononuclear CI, Mild
* Spleen	Hematopoietic Cell Proliferation	Marked
[ Hematopoietic Cell Proliferation TGLS = 1-4 ]		

---

**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 53

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 714

**DOSE:** 2.5 MG/KG

**DISP:** Natural Death

**HISTO:** 9900053

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

* Lymph Node, Mandibular	* Mammary Gland	* Thymus
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**OBSERVATIONS**

* Bone		Osteosarcoma	Multiple
[ Osteosarcoma TGLS = 1,8-10+11; 2-10 ]			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Necrosis	Minimal
		Osteosarcoma	Metastatic (Bone)
[ Osteosarcoma TGLS = 4,5,6,9-5+12+4 ]			
* Lung	Mediastinum	Osteosarcoma	Metastatic (Bone)
		Osteosarcoma	Metastatic (Bone)
[ Osteosarcoma TGLS = 7-13 ]			
* Preputial Gland	Duct	Ectasia	Mild
[ Ectasia TGLS = 3-8 ]			
* Skin			
Note: TGL#s 1,2-10: Foot mass & tail nodules, documented at necropsy, are osteosarcoma of foot and fibrosarcoma of the tail histologically. Skin within normal limits.			
* Stomach, Forestomach		Hyperkeratosis	Focal, Mild
	Epithelium	Hyperplasia	Focal, Moderate
		Inflammation	Chronic Active, Focal, Mild
		Ulcer	Multifocal, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 53	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 714
	<b>DOSE:</b> 2.5 MG/KG	<b>DISP:</b> Natural Death	<b>HISTO:</b> 9900053

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Thyroid Gland [ Adenoma TGLS = 10-3 ]	Follicular Cel	Adenoma
PRIMARY CAUSE OF DEATH	- Bone	Osteosarcoma
CONTRIBUTORY CAUSE OF DEATH	- Liver	Osteosarcoma Bone;Lung Osteosarcoma Bone

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 54	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> 2.5 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9900054

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* 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

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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia Hypertrophy Infiltration Cellular Adenoma	Mild Mild Mononuclear CI, Minimal
* Epididymis Harderian Gland [ Adenoma TGLS = 2-9 ]			
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma Mixed Cell Focus	Multiple
Note: Hepatocellular adenoma also on slide #05. [ Hepatocellular Adenoma TGLS = 3-10 ] [ Mixed Cell Focus TGLS = 4-4 ]			
* Lung [ Alveolar/Bronchiolar Adenoma TGLS = 5-10 ]		Alveolar/Bronchiolar Adenoma	
* Preputial Gland [ Ectasia TGLS = 1-8 ]	Duct	Ectasia Infiltration Cellular	Mild Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal

---

**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 55	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 732
	<b>DOSE:</b> 2.5 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9900055

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

---

**MISSING**

\* Mammary Gland

---

**OBSERVATIONS**

* Adrenal Cortex		Lymphoma Malignant
Harderian Gland		Adenoma
* Kidney		Lymphoma Malignant
* Liver		Hepatocellular Adenoma
		Lymphoma Malignant
[ Hepatocellular Adenoma TGLS = 2-5 ]		
[ Lymphoma Malignant TGLS = 9-3 ]		
* Lung		Lymphoma Malignant
Lymph Node	Lumbar	Lymphoma Malignant
	Renal	Lymphoma Malignant
		Lymphoma Malignant
Note: TGL#6-11 is for axillary lymph nodes.		
Note: TGL#8-13 is for hepatic lymph nodes.		
[ Lymphoma Malignant TGLS = 7-12 ]		
[ Lymphoma Malignant TGLS = 5-4 ]		
[ Lymphoma Malignant TGLS = 6,8-11+13 ]		
* Lymph Node, Mandibular		Lymphoma Malignant
[ Lymphoma Malignant TGLS = 4-2 ]		
* Lymph Node, Mesenteric		Lymphoma Malignant

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 55	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 732
	<b>DOSE:</b> 2.5 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9900055

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Lymphoma Malignant TGLS = 3-10 ]			
* Prostate		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 1-4 ]			
* Stomach, Forestomach		Hyperkeratosis	Focal, Moderate
	Epithelium	Hyperplasia	Focal, Moderate
		Inflammation	Chronic Active, Focal, Moderate
		Ulcer	Marked
* Thymus		Lymphoma Malignant	

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 56

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900056

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	Mesentery	* 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**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Intestine Small, Jejunum		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 4-11 ]			
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Infarct	Marked
[ Eosinophilic Focus TGLS = 8-5 ]			
[ Infarct TGLS = 3-10 ]			
Lymph Node	Renal	Lymphoma Malignant	
		Lymphoma Malignant	
Note: TGL#5-10 is for hepatic lymph node.			
[ Lymphoma Malignant TGLS = 7-11 ]			
[ Lymphoma Malignant TGLS = 5-10 ]			
* Lymph Node, Mesenteric		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 6-5 ]			
Mesentery			
Note: TGL#3-10 mesenteric fat nodule, documented at necropsy, is an infarcted piece of liver histologically.			
* Preputial Gland	Duct	Ectasia	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03

**Test Type:** CHRONIC

**Route:** GAVAGE

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acrylonitrile

**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 04:13:29

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

**Lab:** BAT

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**ANIMAL ID:** 56

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900056

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Ectasia TGLS = 1-8 ]

\* Spleen

Lymphoma Malignant

[ Lymphoma Malignant TGLS = 2-4 ]

Tooth

Malformation

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 57

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900057

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Preputial Gland	* Prostate
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

* Mammary Gland	* Pituitary Gland
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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
		Vacuolization Cytoplasmic	Minimal
[ Clear Cell Focus TGLS = 1-5 ]			
[ Hepatocellular Adenoma TGLS = 1-5 ]			
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
[ Alveolar/Bronchiolar Adenoma TGLS = 2-3 ]			
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 3-5 ]			
Tooth		Malformation	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 58

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900058

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Mammary Gland                      \* Thymus

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
		Hypertrophy	Mild
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
		[ Adenoma TGLS = 1-9 ]	
* Intestine Small, Duodenum		Polyp Adenomatous	
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Minimal
		[ Clear Cell Focus TGLS = 3,4-4+11 ]	
		[ Hepatocellular Adenoma TGLS = 2,4-10+11 ]	
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal

**PRIMARY CAUSE OF DEATH**                      -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 59	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 4
	<b>DOSE:</b> 2.5 MG/KG	<b>DISP:</b> Dosing Accident	<b>HISTO:</b> 9900059

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

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

---

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Esophagus	Inflammation Perforation	Suppurative, Moderate
[ Inflammation TGLS = 1-3 ]		
[ Perforation TGLS = 1-3 ]		
Harderian GI		
Note: Only one Harderian gland available for histologic examination.		
* Liver	Necrosis	Minimal
* Thymus	Thymocyte Necrosis	Marked

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 60

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900060

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* 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 Cortex	Subcapsular	Hyperplasia	Mild
		Hypertrophy	Mild
* Kidney	Cortex	Cyst	Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Vacuolization Cytoplasmic	Mild
		[ Clear Cell Focus TGLS = 2-3 ]	
		[ Hepatocellular Adenoma TGLS = 3-4+10; 4-11 ]	
* Preputial Gland	Duct	Ectasia	Mild
		[ Ectasia TGLS = 1-8 ]	
Tooth		Malformation	

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 61

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900061

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia Hypertrophy Adenoma	Mild Mild
Harderian Gland			
[ Adenoma TGLS = 1-9 ]			
* Intestine Small, Duodenum		Polyp Adenomatous	
[ Polyp Adenomatous TGLS = 4-10 ]			
* Kidney		Mineralization Nephropathy	Minimal Minimal
* Liver		Clear Cell Focus Hepatocellular Adenoma Vacuolization Cytoplasmic	Multiple Moderate
[ Clear Cell Focus TGLS = 3-5+10 ]			
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Preputial Gland	Duct	Ectasia	Mild
[ Ectasia TGLS = 2-8 ]			
* Prostate		Infiltration Cellular	Mononuclear Cl, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear Cl, Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 62

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900062

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	Zymbal's Gland		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
		Hypertrophy	Mild
* Bone		Hyperostosis	Moderate
[ Hyperostosis TGLS = 1-11 ]			
Harderian Gland		Adenoma	
[ Adenoma TGLS = 2-9 ]			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
		Vacuolization Cytoplasmic	Mild
Note: Clear cell focus also on slide #03.			
[ Clear Cell Focus TGLS = 4-5 ]			
[ Hepatocellular Adenoma TGLS = 3,7-4+13 ]			
* Lung		Alveolar/Bronchiolar Adenoma	
[ Alveolar/Bronchiolar Adenoma TGLS = 5-10 ]			
* Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 6-12 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 62

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900062

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 63	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 3
	<b>DOSE:</b> 2.5 MG/KG	<b>DISP:</b> Dosing Accident	<b>HISTO:</b> 9900063

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Esophagus		Perforation	
[ Perforation TGLS = 2-3 ]			
* Int Lg Cecum			
Note: Cecum is on slide #05.			
* Lung	Mediastinum	Hemorrhage	Moderate
		Inflammation	Suppurative, Moderate

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 64

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900064

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
		Vacuolization Cytoplasmic	Moderate
		[ Clear Cell Focus TGLS = 3-10 ]	
		[ Hepatocellular Adenoma TGLS = 1-10 ]	
* Lung		Alveolar/Bronchiolar Adenoma	
		[ Alveolar/Bronchiolar Adenoma TGLS = 2-3 ]	
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

<b>ANIMAL ID:</b> 65	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 732
	<b>DOSE:</b> 2.5 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9900065

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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
* Pituitary Gland	* Preputial Gland	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Hyperplasia	Mild
		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney	Cortex	Cyst	Mild
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Necrosis	Mild
		Vacuolization Cytoplasmic	Mild
		[ Hepatocellular Adenoma TGLS = 1-5 ]	
		[ Mixed Cell Focus TGLS = 2,3-10+11 ]	
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Glandular	Glands	Ectasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 66

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 689

**DOSE:** 2.5 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9900066

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Brain		Hemorrhage	Mild
		Vacuolization Cytoplasmic	Moderate
[ Hemorrhage TGLS = 6-2+10 ]			
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Adenoma	
* Heart		Inflammation	Chronic Active, Mild
* Kidney		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
[ Alveolar/Bronchiolar Carcinoma TGLS = 3-4+12 ]			
* Liver		Basophilic Focus	
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Mild
		Pigmentation	Mild
[ Hepatocellular Carcinoma TGLS = 2-10 ]			
* Lung	Mediastinum	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Alveolar/Bronchiolar Carcinoma	
[ Alveolar/Bronchiolar Carcinoma TGLS = 4-11 ]			
[ Alveolar/Bronchiolar Carcinoma TGLS = 5-3 ]			
Lymph Node	Mediastinal	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
	Renal	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 66	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 689
	<b>DOSE:</b> 2.5 MG/KG	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 9900066

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Mesentery		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Chronic Active, Minimal
[ Ectasia TGLS = 1-8 ]			
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Seminal Vesicle		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Glandular	Glands	Ectasia	Mild
		Inflammation	Chronic Active, Mild
* Thymus		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Inflammation	Chronic Active, Mild

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PRIMARY CAUSE OF DEATH	- Lung	Alveolar/Bronchiolar Carcinoma
CONTRIBUTORY CAUSE OF DEATH	- Liver	Hepatocellular Carcinoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

<b>ANIMAL ID:</b> 67	<b>TRT#:</b> 3 <b>DOSE:</b> 2.5 MG/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 731 <b>HISTO:</b> 9900067
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**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia Hypertrophy Infiltration Cellular Nephropathy Basophilic Focus Clear Cell Focus Hemangiosarcoma Hepatocellular Adenoma Inflammation Vacuolization Cytoplasmic	Mild Minimal Mononuclear CI, Minimal Minimal    Chronic Active, Minimal Mild
[ Clear Cell Focus TGLS = 2-10 ]			
[ Hemangiosarcoma TGLS = 1-5 ]			
[ Hepatocellular Adenoma TGLS = 1-5 ]			
* Preputial Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 3-11 ]			

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 67

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900067

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 68

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900068

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
		Hypertrophy	Minimal
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Mild

Note: Clear cell focus also on slide #05.

Note: TGL#2-10-NCL: Liver focus, documented at necropsy, not demonstrated histologically.

[ Clear Cell Focus TGLS = 1-11 ]

* Lung	Alveolar Epith	Hyperplasia	Marked
[ Hyperplasia TGLS = 3-3 ]			
* Preputial Gland		Inflammation	Chronic Active, Moderate
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Glandular		Hyperplasia	Focal, Mild
[ Hyperplasia TGLS = 4-12 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 69

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900069

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Gallbladder	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Pituitary Gland	* Preputial Gland	* 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 Cortex	Subcapsular	Hyperplasia	Mild
		Hypertrophy	Mild
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Minimal
[ Hepatocellular Adenoma TGLS = 1-5 ]			
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 70

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900070

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Preputial Gland	* 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 Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Inflammation	Chronic Active, Mild
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Mild
[ Mixed Cell Focus TGLS = 1-10 ]			
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 50215-03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Acrylonitrile  
CAS Number: 107-13-1

Date Report Requested: 10/20/2014  
Time Report Requested: 04:13:29  
First Dose M/F: NA / NA  
Lab: BAT

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ANIMAL ID: 71	TRT#: 3 DOSE: 2.5 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO: 9900071
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

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MISSING

* Gallbladder	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Mild
[ Clear Cell Focus TGLS = 1-4+5+10 ]			
[ Mixed Cell Focus TGLS = 1-5 ]			
* Lung		Alveolar/Bronchiolar Adenoma	
* Prostate		Infiltration Cellular	Mononuclear CI, Mild
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 50215-03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Acrylonitrile  
CAS Number: 107-13-1

Date Report Requested: 10/20/2014  
Time Report Requested: 04:13:29  
First Dose M/F: NA / NA  
Lab: BAT

ANIMAL ID: 72 TRT#: 3 SEX: Male DAY ON TEST: 730  
DOSE: 2.5 MG/KG DISP: Terminal Sacrifice HISTO: 9900072

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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	* Preputial Gland	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

\* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney	Renal Tubule	Hyperplasia	Mild
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Necrosis	Minimal
		Vacuolization Cytoplasmic	Moderate
	[ Mixed Cell Focus TGLS = 1,2,3-10+4+5 ]		
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
Tooth		Malformation	

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 73	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 2.5 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9900073

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Gallbladder	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia Hypertrophy	Mild Minimal
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Nephropathy	Mild
* Liver		Inflammation Vacuolization Cytoplasmic	Chronic Active, Minimal Minimal
* Pancreas		Infiltration Cellular	Mononuclear CI, Minimal
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Thyroid Gland	Follicle	Cyst	Mild

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 74

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900074

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia Hypertrophy	Mild Minimal
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney	Cortex	Cyst Mineralization Nephropathy	Mild Minimal Minimal
* Liver		Basophilic Focus Clear Cell Focus Hepatocellular Adenoma Inflammation Mixed Cell Focus Vacuolization Cytoplasmic	   Chronic Active, Minimal  Mild
		[ Basophilic Focus TGLS = 1-10 ] [ Clear Cell Focus TGLS = 1-10 ] [ Hepatocellular Adenoma TGLS = 2-4 ]	
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Thyroid Gland	Follicle	Cyst	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 74

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900074

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 75

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900075

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
		Hypertrophy	Minimal
		Adenoma	
Harderian Gland			
[ Adenoma TGLS = 1-9 ]			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Minimal
[ Hepatocellular Adenoma TGLS = 2,3,4-5+10+11 ]			
* Prostate		Infiltration Cellular	Mononuclear Cl, Minimal

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 76

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900076

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
		Hypertrophy	Mild
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Mild
[ Hepatocellular Adenoma TGLS = 1,2,3-10+4+5 ]			
* Lung	Alveolar Epith	Hyperplasia	Marked
* Preputial Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Glandular		Inflammation	Chronic Active, Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 77

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900077

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	* Gallbladder	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Nose	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
* Intestine Small, Jejunum		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 2-10 ]			
* Kidney	Cortex	Cyst	Mild
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Mixed Cell Focus	
		Necrosis	Mild
[ Basophilic Focus TGLS = 1-4 ]			
[ Mixed Cell Focus TGLS = 4-5 ]			
* Lymph Node, Mesenteric		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 3-5 ]			
* Pancreas		Lymphoma Malignant	
* Preputial Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 77	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 732
	<b>DOSE:</b> 2.5 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9900077

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Thyroid Gland	Follicle	Cyst	Moderate
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 78

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900078

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
		Hypertrophy	Minimal
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney	Cortex	Cyst	Mild
		Infarct	Mild
	Pelvis	Inflammation	Suppurative, Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Mild
		Alveolar/Bronchiolar Adenoma	
		Inflammation	Chronic Active, Mild
		Infiltration Cellular	Mononuclear CI, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 79

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900079

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymsus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia Hypertrophy	Mild Mild
Harderian Gland		Hyperplasia	Minimal
* Kidney		Mineralization Nephropathy	Minimal Minimal
* Liver		Clear Cell Focus Hepatocellular Adenoma Inflammation Vacuolization Cytoplasmic	  Chronic Active, Minimal Mild
[ Clear Cell Focus TGLS = 2-12 ]			
[ Hepatocellular Adenoma TGLS = 1-11 ]			
Mesentery		Hemangioma	
[ Hemangioma TGLS = 4-10 ]			
* Preputial Gland	Duct	Ectasia Inflammation	Moderate Chronic Active, Mild
[ Ectasia TGLS = 3-8 ]			
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 79

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900079

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Tooth

Malformation

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 80

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900080

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Blood Vessel	* 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	* Lymph Node, Mesenteric	* 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 Cortex	Subcapsular	Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Eye		Atrophy	Marked
	Lens	Cataract	Mild
[ Atrophy TGLS = 1-10 ]			
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
[ Adenoma TGLS = 2-9 ]			
* Intestine Small, Jejunum	Peyers Patch	Hyperplasia	Lymphoid, Moderate
[ Hyperplasia TGLS = 5-5 ]			
* Kidney	Cortex	Cyst	Mild
	Renal Tubule	Hyperplasia	Minimal
		Infarct	Mild
	Artery	Inflammation	Chronic Active, Mild
		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Inflammation	Chronic Active, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 80	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> 2.5 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9900080

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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		Pigmentation	Mild
Note: Slide #04 - Not enough normal liver for a good section, what little bit of normal is on slide #13 with mass. [ Hepatocellular Adenoma TGLS = 8-14 ] [ Hepatocellular Carcinoma TGLS = 6,7-12+13 ]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
			[ Hepatocellular Carcinoma TGLS = 9-11 ]
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Moderate
* Preputial Gland	Duct	Ectasia	Mild
			[ Ectasia TGLS = 4-8 ]
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
			[ Hematopoietic Cell Proliferation TGLS = 3-4 ]

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 81

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900081

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland                      \* Thymus

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
		[ Adenoma TGLS = 5-9 ]	
* Intestine Small, Duodenum		Polyp Adenomatous	
		[ Polyp Adenomatous TGLS = 3-10 ]	
* Intestine Small, Jejunum		Carcinoma	
		[ Carcinoma TGLS = 6-11 ]	
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
		Necrosis	Mild
		Note: TGL#2-4-NCL: Liver nodule, documented at necropsy, not demonstrated histologically.	
		[ Hepatocellular Adenoma TGLS = 1-12 ]	
		[ Hepatocellular Carcinoma TGLS = 1-12 ]	
* Lung		Alveolar/Bronchiolar Adenoma	
		[ Alveolar/Bronchiolar Adenoma TGLS = 7-13 ]	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 81	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> 2.5 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9900081

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Prostate	Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands	Infiltration Cellular	Mononuclear CI, Minimal
* Spleen	Hematopoietic Cell Proliferation	Moderate

[ Hematopoietic Cell Proliferation TGLS = 4-4 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 82

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 689

**DOSE:** 2.5 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9900082

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
[ Adenoma TGLS = 1-9 ]			
* Heart		Inflammation	Chronic Active, Minimal
Note: Bacteria on heart valves.			
* Kidney		Inflammation	Suppurative, Moderate
Note: Renal tubules and glomeruli filled with bacterial colonies.			
[ Inflammation TGLS = 5-4 ]			
* Liver		Hepatoblastoma	
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Mild
		Mineralization	Minimal
		Mixed Cell Focus	
		Necrosis	Mild
		Vacuolization Cytoplasmic	Mild
[ Hepatoblastoma TGLS = 3-10 ]			
[ Hepatocellular Carcinoma TGLS = 4-11 ]			
* Lung		Inflammation	Suppurative, Minimal
* Preputial Gland		Infiltration Cellular	Mononuclear CI, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 82	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 689
	<b>DOSE:</b> 2.5 MG/KG	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 9900082

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Prostate		Inflammation	Chronic Active, Mild
* Spleen	Red Pulp	Depletion Cellular	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Minimal
		Inflammation	Chronic Active, Multifocal, Minimal
		Ulcer	Multifocal, Mild
* Stomach, Glandular	Glands	Ectasia	Mild
Note: Bacterial colonies in glandular stomach epithelium.			
* Thymus		Atrophy	Moderate
* Urin Bladder			
Note: TGL#2-4-NCL: Urinary bladder shows evidence of being distended with urine antimortem; otherwise within normal limits histologically.			

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PRIMARY CAUSE OF DEATH	- Kidney Inflammation
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatoblastoma; Liver Hepatocellular Carcinoma

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 83

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 518

**DOSE:** 2.5 MG/KG

**DISP:** Natural Death

**HISTO:** 9900083

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Preputial Gland	* Prostate
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Moderate
[ Hypertrophy TGLS = 3-6 ]			
* Bone		Osteosarcoma	
[ Osteosarcoma TGLS = 5-11 ]			
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear Cl, Minimal
* Liver		Angiectasis	Moderate
		Inflammation	Chronic Active, Mild
		Necrosis	Moderate
[ Angiectasis TGLS = 2-10 ]			
* Lung		Carcinoma	Metastatic (Thyroid Gland)
* Salivary Glands		Infiltration Cellular	Mononuclear Cl, Minimal
* Skin	Subcut Tiss	Infiltration Cellular	Mast Cell, Mild
Note: TGL#5-11: Tail skin nodule, documented at necropsy, is osteosarcoma involving the coccygeal vertebra histologically.			
* Thyroid Gland	Follicular Cel	Carcinoma	
[ Carcinoma TGLS = 4-3 ]			
* Urin Bladder			
Note: TGL#1-4-NCL: Urinary bladder shows morphologic evidence of being distended with urine at necropsy, otherwise within normal limits histologically.			

**PRIMARY CAUSE OF DEATH**

- Thyroid Gland Follicular Cel Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 83

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 518

**DOSE:** 2.5 MG/KG

**DISP:** Natural Death

**HISTO:** 9900083

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 84

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900084

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
		Hypertrophy	Minimal
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
	[ Adenoma TGLS = 2-9 ]		
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
		Necrosis	Mild
		Vacuolization Cytoplasmic	Minimal
	[ Hepatocellular Adenoma TGLS = 4-10 ]		
	[ Hepatocellular Carcinoma TGLS = 3-10 ]		
* Preputial Gland	Duct	Ectasia	Moderate
		Infiltration Cellular	Mononuclear CI, Minimal
	[ Ectasia TGLS = 1-8 ]		
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 84	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> 2.5 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9900084

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Spleen	Hematopoietic Cell Proliferation	Mild
* Testes	Mineralization	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 85

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900085

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Adenoma	
[ Adenoma TGLS = 1-9 ]			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Minimal
[ Hepatocellular Adenoma TGLS = 2-10 ]			
[ Hepatocellular Carcinoma TGLS = 3-11 ]			
* Lung	Alveolar Epith	Hepatocellular Carcinoma	Metastatic (Liver)
		Hyperplasia	Minimal
* Preputial Gland		Infiltration Cellular	Mononuclear Cl, Minimal
* Prostate		Infiltration Cellular	Mononuclear Cl, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear Cl, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Glandular	Glands	Ectasia	Minimal
* Testes	Germinal Epith	Degeneration	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 85

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900085

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 86

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900086

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia Hypertrophy	Mild Minimal
* Epididymis		Infiltration Cellular	Mononuclear CI, Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney	Cortex	Cyst Mineralization Nephropathy	Mild Minimal Minimal
* Liver		Clear Cell Focus Inflammation	Chronic Active, Minimal
* Prostate		Vacuolization Cytoplasmic	Moderate
* Stomach, Forestomach		Infiltration Cellular	Mononuclear CI, Minimal
		Squamous Cell Papilloma	

[ Squamous Cell Papilloma TGLS = 1-10 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 87

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900087

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Mild
[ Hepatocellular Adenoma TGLS = 1-3 ]			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Moderate
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Hyperplasia	Plasma Cell, Moderate
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 88

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900088

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney	Cortex	Cyst	Mild
	Renal Tubule	Hyperplasia	Mild
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Mild
		[ Hepatocellular Adenoma TGLS = 2-5 ]	
		[ Mixed Cell Focus TGLS = 1-4 ]	
* Preputial Gland		Infiltration Cellular	Mononuclear CI, Mild
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Forestomach		Hyperkeratosis	Focal, Minimal
	Epithelium	Hyperplasia	Focal, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 88

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900088

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: TGL#3-5: Only one forestomach nodule demonstrated histologically.  
[ Hyperplasia TGLS = 3-5 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 89

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900089

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Gallbladder	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* 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 Cortex	Subcapsular	Hyperplasia	Minimal
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
[ Hepatocellular Adenoma TGLS = 2-5 ]			
* Pancreas	Acinus	Atrophy	Marked
		Infiltration Cellular	Mononuclear CI, Minimal
* Preputial Gland	Bilateral, Duct	Ectasia	Mild
		Infiltration Cellular	Mononuclear CI, Minimal
[ Ectasia TGLS = 1-8 ]			
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Skin	Subcut Tiss	Fibrosarcoma	
[ Fibrosarcoma TGLS = 3-10 ]			

Note: TGL#4-5-NCL: Nodule, documented at necropsy, not apparent histologically.

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 89

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900089

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 90

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900090

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Angiectasis	Moderate
		Clear Cell Focus	
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Mild
Note: Other mixed cell foci on slide #04.			
			[ Angiectasis TGLS = 2-10 ]
			[ Hepatocellular Adenoma TGLS = 1-10 ]
			[ Mixed Cell Focus TGLS = 3-11 ]
* Lung		Alveolar/Bronchiolar Adenoma	
			[ Alveolar/Bronchiolar Adenoma TGLS = 4-12 ]
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 90

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900090

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 91      **TRT#:** 3      **SEX:** Male      **DAY ON TEST:** 535  
**DOSE:** 2.5 MG/KG      **DISP:** Moribund Sacrifice      **HISTO:** 9900091

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose
* Pancreas	* Pituitary Gland	* Preputial Gland	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Brain		Hemorrhage	Mild
		Inflammation	Chronic Active, Mild
		Thrombosis	Moderate
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
* Heart		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
	[ Alveolar/Bronchiolar Carcinoma TGLS = 5-3 ]		
* Kidney		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Mineralization	Mild
		Necrosis	Mild
	[ Alveolar/Bronchiolar Carcinoma TGLS = 2,3-4+10 ]		
* Liver		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Clear Cell Focus	
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Mild
		Necrosis	Mild
	[ Hepatocellular Carcinoma TGLS = 1-10 ]		
* Lung		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Alveolar/Bronchiolar Carcinoma	
	[ Alveolar/Bronchiolar Carcinoma TGLS = 4-3 ]		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 91	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 535
	<b>DOSE:</b> 2.5 MG/KG	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 9900091

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Prostate	Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands	Infiltration Cellular	Mononuclear CI, Minimal
* Thymus	Atrophy	Marked

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PRIMARY CAUSE OF DEATH	- Lung	Alveolar/Bronchiolar Carcinoma
CONTRIBUTORY CAUSE OF DEATH	- Liver	Hepatocellular Carcinoma

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 92      **TRT#:** 3      **SEX:** Male      **DAY ON TEST:** 731  
**DOSE:** 2.5 MG/KG      **DISP:** Terminal Sacrifice      **HISTO:** 9900092

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
Note: TGL#1-13-NCL: Small focus, documented at necropsy, not visible at trim.			
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Mild
Note: NO CORRELATING LESIONS FOR TGL 5-11. [ Clear Cell Focus TGLS = 3,7-12+13 ] [ Hepatocellular Adenoma TGLS = 3,4,6-4+11+10 ] [ Mixed Cell Focus TGLS = 3-12 ]			
Mesentery	Fat	Necrosis	Marked
[ Necrosis TGLS = 2-10 ]			
* Preputial Gland		Infiltration Cellular	Mononuclear CI, Mild
* Prostate		Infiltration Cellular	Mononuclear CI, Mild
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 92

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900092

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 50215-03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Test Compound: Acrylonitrile  
CAS Number: 107-13-1

Date Report Requested: 10/20/2014  
Time Report Requested: 04:13:29  
First Dose M/F: NA / NA  
Lab: BAT

ANIMAL ID: 93                      TRT#: 3                      SEX: Male                      DAY ON TEST: 730  
DOSE: 2.5 MG/KG                      DISP: Terminal Sacrifice                      HISTO: 9900093

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Preputial Gland	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney	Cortex	Cyst	Mild
		Metaplasia	Osseous, Mild
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		[ Clear Cell Focus TGLS = 1-5 ]	
		[ Hepatocellular Adenoma TGLS = 1-5 ]	
		[ Hepatocellular Carcinoma TGLS = 2-10 ]	
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 50215-03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Acrylonitrile  
CAS Number: 107-13-1

Date Report Requested: 10/20/2014  
Time Report Requested: 04:13:29  
First Dose M/F: NA / NA  
Lab: BAT

ANIMAL ID: 94                      TRT#: 3                      SEX: Male                      DAY ON TEST: 732  
DOSE: 2.5 MG/KG                      DISP: Terminal Sacrifice                      HISTO: 9900094

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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	* Preputial Gland	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

\* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Epididymis		Infiltration Cellular	Mononuclear CI, Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney	Cortex	Cyst	Moderate
	Renal Tubule	Hyperplasia	Mild
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Mild
	[ Hepatocellular Adenoma TGLS = 2,3-10 ]		
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Testes	Interstit Cell	Adenoma	
	[ Adenoma TGLS = 1-7 ]		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 95	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 637
	<b>DOSE:</b> 2.5 MG/KG	<b>DISP:</b> Natural Death	<b>HISTO:</b> 9900095

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

Harderian Gland	Infiltration Cellular	Mononuclear CI, Minimal
* Liver	Hepatocellular Carcinoma	
[ Hepatocellular Carcinoma TGLS = 1-10 ]		
* Lung	Hepatocellular Carcinoma	Metastatic (Liver)
* Thymus	Atrophy	Marked

---

**PRIMARY CAUSE OF DEATH** - Liver Hepatocellular Carcinoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 96

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900096

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia Hypertrophy	Minimal Mild
Harderian Gland		Adenoma Carcinoma Infiltration Cellular	Mononuclear CI, Minimal
[ Adenoma TGLS = 1-9 ] [ Carcinoma TGLS = 1-9 ]			
* Kidney	Cortex	Cyst Mineralization Nephropathy	Moderate Minimal Mild
* Liver		Hepatocellular Adenoma Inflammation Pigmentation	Multiple Chronic Active, Minimal Minimal
[ Hepatocellular Adenoma TGLS = 3,4-4+10 ]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Moderate
[ Hyperplasia TGLS = 5-5 ]			
* Preputial Gland	Duct	Ectasia Infiltration Cellular	Moderate Mononuclear CI, Mild
[ Ectasia TGLS = 2-8 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 96

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900096

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Prostate

Infiltration Cellular

Mononuclear CI, Minimal

\* Salivary Glands

Infiltration Cellular

Mononuclear CI, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 97

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900097

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Mild
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Hyperplasia	Marked
		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney	Renal Tubule	Adenoma	
	Cortex	Cyst	Minimal
	Renal Tubule	Hyperplasia	Mild
		Infarct	Mild
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Mild
Note: Hepatic clear cell focus also on slide #03.			
			[ Clear Cell Focus TGLS = 3,4-10+4 ]
			[ Hepatocellular Adenoma TGLS = 2-5 ]
Mesentery	Fat	Necrosis	Marked
			[ Necrosis TGLS = 1-10 ]
* Pituitary Gland	Pars Distalis	Cyst	Minimal

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 97	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 732
	<b>DOSE:</b> 2.5 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9900097

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Preputial Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Glandular	Glands	Ectasia	Minimal

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 98

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900098

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
		Hypertrophy	Minimal
* Epididymis		Granuloma Sperm	Mild
		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Metaplasia	Osseous, Mild
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
		Vacuolization Cytoplasmic	Mild
Note: Hepatic clear cell focus also on slides #s 03 & 05.			
[ Clear Cell Focus TGLS = 2,3-11+12 ]			
[ Hepatocellular Adenoma TGLS = 1-10 ]			
* Lung		Inflammation	Chronic Active, Minimal
* Preputial Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Glandular	Glands	Ectasia	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 98

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900098

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 99

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900099

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Preputial Gland	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
		Hypertrophy	Mild
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney	Cortex	Cyst	Minimal
		Inflammation	Chronic Active, Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Minimal
		[ Hepatocellular Adenoma TGLS = 1-4 ]	
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 100

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900100

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Heart		Inflammation	Chronic Active, Mild
* Kidney		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Glandular	Glands	Ectasia	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 101

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900101

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Thymsus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
[ Adenoma TGLS = 1-9 ]			
* Kidney	Cortex	Cyst	Mild
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Infarct	Marked
		Inflammation	Chronic Active, Mild
		Mineralization	Minimal
[ Hepatocellular Adenoma TGLS = 3,4-10+11 ]			
[ Infarct TGLS = 3-10 ]			
* Preputial Gland	Duct	Ectasia	Mild
[ Ectasia TGLS = 2-8 ]			
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 102

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900102

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Trachea
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Epididymis		Infiltration Cellular	Mononuclear Cl, Minimal
Harderian Gland		Carcinoma	
[ Carcinoma TGLS = 1-1+9 ]			
* Kidney	Capsule	Carcinoma	Metastatic (Harderian Gland)
		Infarct	Mild
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
[ Hepatocellular Adenoma TGLS = 5-5 ]			
[ Hepatocellular Carcinoma TGLS = 4-10 ]			
* Lung		Carcinoma	Metastatic (Harderian Gland)
[ Carcinoma TGLS = 6-3+11 ]			
Lymph Node	Mediastinal	Carcinoma	Metastatic (Harderian Gland)
	Mediastinal	Hyperplasia	Lymphoid, Moderate
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
Mesentery	Fat	Carcinoma	Metastatic (Harderian Gland)
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Preputial Gland		Hemangioma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 102

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900102

**ORGAN AND ACCOUNTABLE SITE STATUS**

[ Hemangioma TGLS = 3-8 ] [ Inflammation TGLS = 3-8 ]		Inflammation	Chronic Active, Moderate
* Skin		Inflammation Ulcer	Chronic Active, Moderate Marked
[ Inflammation TGLS = 2-10 ] [ Ulcer TGLS = 2-10 ]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	Follicle	Cyst	Mild
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 103

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 515

**DOSE:** 10 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9900103

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Nose	* Preputial Gland	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
Note: One adrenal gland is on slide #06 and the other one is on slide #10.			
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Note: TGL#2-11: Only affected mesentery is present on slide #11. Epididymides not involved with metastatic squamous cell carcinoma from forestomach.			
Harderian Gland	Bilateral	Adenoma	
* Kidney		Mineralization	Minimal
* Liver		Hepatocellular Carcinoma	Multiple
		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
[ Hepatocellular Carcinoma TGLS = 1-5+12 ]			
[ Squamous Cell Carcinoma TGLS = 1-3+4+5+12 ]			
* Lung		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
Mesentery		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
[ Squamous Cell Carcinoma TGLS = 2,3-11 ]			
* Pancreas		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
Skeletal Muscle		Carcinoma	Metastatic (Stomach, Forestomach)
[ Carcinoma TGLS = 4-10 ]			
* Spleen		Hematopoietic Cell Proliferation	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 103

**TRT#:** 5  
**DOSE:** 10 MG/KG

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

**DAY ON TEST:** 515  
**HISTO:** 9900103

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Stomach, Forestomach

Epithelium

Squamous Cell Carcinoma  
Hyperkeratosis  
Hyperplasia  
Squamous Cell Carcinoma

Metastatic (Stomach, Forestomach)  
Diffuse, Mild  
Focal, Mild

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[ Squamous Cell Carcinoma TGLS = 5-13 ]

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PRIMARY CAUSE OF DEATH

- Stomach, Forestomach Squamous Cell Carcinoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 104

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 714

**DOSE:** 10 MG/KG

**DISP:** Natural Death

**HISTO:** 9900104

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Lung	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

* Lymph Node, Mandibular	* Mammary Gland	* Thymus
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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
* Heart		Inflammation	Suppurative, Mild
* Kidney	Cortex	Cyst	Minimal
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
[ Hepatocellular Carcinoma TGLS = 1-10 ]			
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Moderate
* Preputial Gland		Inflammation	Chronic Active, Mild
Note: Only one preputial gland available for histologic examination.			
* Spleen		Hematopoietic Cell Proliferation	Marked
* Stomach, Glandular	Glands	Ectasia	Minimal
* Testes	Germinal Epith	Degeneration	Mild

**PRIMARY CAUSE OF DEATH** - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 105

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900105

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
		Hypertrophy	Minimal
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Eye			
Note: TGL#1-10-NCL: Eyes within normal limits histologically.			
Harderian Gland		Adenoma	
[ Adenoma TGLS = 2-9 ]			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Mild
[ Clear Cell Focus TGLS = 4-10 ]			
[ Hepatocellular Adenoma TGLS = 5-4 ]			
[ Mixed Cell Focus TGLS = 6-11 ]			
* Lung		Erythrophagocytosis	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 105

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900105

**ORGAN AND ACCOUNTABLE SITE STATUS**

	Alveolus	Infiltration Cellular Inflammation	Histiocyte, Mild Chronic Active, Mild
* Preputial Gland [ Ectasia TGLS = 3-8 ]	Duct	Ectasia	Mild
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 106

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900106

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Salivary Glands	* Seminal Vesicle
* Skin	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
Harderian Gland		Infiltration Cellular	Mononuclear Cl, Minimal
* Kidney	Cortex	Cyst	Mild
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
		Inflammation	Chronic Active, Minimal
[ Clear Cell Focus TGLS = 6-10 ]			
[ Hepatocellular Adenoma TGLS = 5-11 ]			
[ Hepatocellular Carcinoma TGLS = 3,4-12+11 ]			
Mesentery	Fat	Necrosis	Marked
[ Necrosis TGLS = 2-11 ]			
* Preputial Gland	Duct	Ectasia	Moderate
[ Ectasia TGLS = 1-8 ]			
* Prostate		Infiltration Cellular	Mononuclear Cl, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Squamous Cell Papilloma	Multiple

Note: TGL#7-12: May represent early squamous cell carcinoma.

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 106	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 732
	<b>DOSE:</b> 10 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9900106

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Squamous Cell Papilloma TGLS = 7-12 ]

\* Stomach, Glandular

Glands

Ectasia

Minimal

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 107

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900107

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia Hypertrophy	Mild Minimal
* Bone Marrow		Angiectasis Inflammation	Moderate Suppurative, Mild
Note: Bone marrow lesion may represent a septic thrombus or an early hemangiosarcoma.			
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Carcinoma	
[ Carcinoma TGLS = 1-9 ]			
* Kidney	Cortex	Cyst	Mild
* Liver		Nephropathy	Minimal
		Angiectasis	Moderate
		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
[ Angiectasis TGLS = 7-10 ]			
[ Eosinophilic Focus TGLS = 4-11 ]			
[ Hepatocellular Adenoma TGLS = 7-10 ]			
[ Mixed Cell Focus TGLS = 3,4,6-5+11+10 ]			
* Lung		Alveolar/Bronchiolar Adenoma	

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 107

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900107

**ORGAN AND ACCOUNTABLE SITE STATUS**

[ Alveolar/Bronchiolar Adenoma TGLS = 5-10 ]		Pigmentation	Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Preputial Gland	Bilateral, Duct	Ectasia	Mild
[ Ectasia TGLS = 2-8 ]			
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 8-12 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 108

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900108

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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
* Nose	* Pancreas	* Parathyroid Gland	* Prostate
* Seminal Vesicle	* Skin	* Spleen	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

* Lymph Node, Mandibular	* Mammary Gland	* Pituitary Gland
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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Eye		Atrophy	Marked
	Lens	Cataract	Mild
Note: A portion of the right eye is also on slide #09 adjacent to Harderian gland adenoma. [ Atrophy TGLS = 1-10 ]			
Harderian Gland		Carcinoma	
[ Carcinoma TGLS = 2-9 ]			
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Metaplasia	Osseous, Mild
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
[ Hepatocellular Adenoma TGLS = 4-10 ]			
* Lung		Carcinoma	Metastatic (Harderian Gland)
Oral Mucosa	Gingival	Foreign Body	
	Gingival	Inflammation	Suppurative, Mild
Note: Foreign bodies are hair shafts and food particles.			
* Preputial Gland	Duct	Ectasia	Mild
		Infiltration Cellular	Mononuclear CI, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 108

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900108

**ORGAN AND ACCOUNTABLE SITE STATUS**

[ Ectasia TGLS = 3-8 ]

\* Salivary Glands

Infiltration Cellular

Mononuclear CI, Minimal

\* Stomach, Forestomach

Hyperkeratosis

Focal, Minimal

Epithelium

Hyperplasia

Focal, Minimal

\* Stomach, Glandular

Glands

Ectasia

Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 109

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900109

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pituitary Gland	* Preputial Gland	* Seminal Vesicle	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Epididymis		Infiltration Cellular	Mononuclear Cl, Minimal
Harderian Gland	Bilateral	Adenoma	
[ Adenoma TGLS = 1-9 ]			
* Heart		Hemangiosarcoma	
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
[ Eosinophilic Focus TGLS = 3-4 ]			
[ Hepatocellular Adenoma TGLS = 2,4,5-10+11 ]			
[ Hepatocellular Carcinoma TGLS = 2-10 ]			
[ Mixed Cell Focus TGLS = 3-4 ]			
* Lung	Alveolar Epith	Hyperplasia	Marked
* Nose	Nasolacrimal Dct	Inflammation	Suppurative, Minimal
* Pancreas		Infiltration Cellular	Mononuclear Cl, Mild
* Prostate		Infiltration Cellular	Mononuclear Cl, Mild
* Salivary Glands		Infiltration Cellular	Mononuclear Cl, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 109

**TRT#:** 5  
**DOSE:** 10 MG/KG

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

**DAY ON TEST:** 731  
**HISTO:** 9900109

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Skin	Infiltration Cellular	Mononuclear CI, Minimal
* Spleen	Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach [ Squamous Cell Papilloma TGLS = 6-5 ]	Squamous Cell Papilloma	

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 110

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900110

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* 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	* Preputial 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 Cortex	Hypertrophy	Mild
* Epididymis	Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland	Adenoma	
[ Adenoma TGLS = 1-9 ]		
* Kidney	Metaplasia	Osseous, Mild
	Nephropathy	Minimal
* Liver	Clear Cell Focus	
	Eosinophilic Focus	
	Hepatocellular Adenoma	Multiple
	Inflammation	Chronic Active, Minimal
	Mixed Cell Focus	
	Vacuolization Cytoplasmic	Moderate
[ Clear Cell Focus TGLS = 2-4+10 ]		
[ Eosinophilic Focus TGLS = 2-10 ]		
[ Hepatocellular Adenoma TGLS = 2-4+10 ]		
[ Mixed Cell Focus TGLS = 2-10 ]		
* Prostate	Infiltration Cellular	Mononuclear CI, Minimal

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 110

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900110

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 111

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 709

**DOSE:** 10 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9900111

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Seminal Vesicle
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Epididymis		Inflammation	Suppurative, Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Heart	Valve	Inflammation	Chronic Active, Minimal
Note: Aortic valves contain bacterial colonies. (Vegatative valvular endocarditis).			
* Kidney		Mineralization	Minimal
		Nephropathy	Marked
* Liver		Hepatocellular Carcinoma	
[ Hepatocellular Carcinoma TGLS = 1-11 ]			
* Preputial GI			
Note: Only one preputial gland available for histologic examination.			
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Skin	Subcut Tiss	Inflammation	Suppurative, Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Hyperkeratosis	Focal, Mild
	Epithelium	Hyperplasia	Focal, Minimal
[ Squamous Cell Papilloma TGLS = 2-10 ]			
* Testes	Germinal Epith	Degeneration	Mild
		Inflammation	Suppurative, Moderate

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 111	<b>TRT#:</b> 5 <b>DOSE:</b> 10 MG/KG	<b>SEX:</b> Male <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 709 <b>HISTO:</b> 9900111
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Thymus	Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Kidney Nephropathy	
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocellular Carcinoma	

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 112

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 610

**DOSE:** 10 MG/KG

**DISP:** Natural Death

**HISTO:** 9900112

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

Harderian Gland	Hyperplasia	Moderate
* Kidney	Nephropathy	Minimal
* Liver	Hepatocellular Adenoma	Multiple
	Hepatocellular Carcinoma	
[ Hepatocellular Adenoma TGLS = 1,4-5+10 ]		
[ Hepatocellular Carcinoma TGLS = 3-10 ]		
* Lung	Hepatocellular Carcinoma	Metastatic (Liver)
[ Hepatocellular Carcinoma TGLS = 6-11 ]		
Lymph Node		
Note: TGL#1-10: enlarged pancreatic lymph node, documented at necropsy, is a portion of liver containing hepatocellular carcinoma.		
* Preputial Gland	Inflammation	Chronic Active, Moderate
* Prostate	Infiltration Cellular	Mononuclear CI, Minimal
* Spleen	Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 2-4 ]		

**PRIMARY CAUSE OF DEATH**

- Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 113

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900113

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	Coagulating Gland	* 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
* Preputial Gland	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

* Mammary Gland	* Thymus
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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Adenoma	
	Subcapsular	Hyperplasia	Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hemangiosarcoma	
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Mild
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Mild
[ Eosinophilic Focus TGLS = 2-10 ]			
[ Hemangiosarcoma TGLS = 3-4 ]			
[ Hepatocellular Adenoma TGLS = 3-4; 1,4-11 ]			
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 5-10 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 113

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900113

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 114

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900114

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Preputial Gland
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia Hypertrophy	Mild Minimal
Harderian Gland		Hyperplasia Infiltration Cellular	Marked Mononuclear CI, Minimal
* Kidney	Cortex	Cyst Mineralization Nephropathy	Mild Minimal Minimal
* Liver		Clear Cell Focus Hepatocellular Adenoma Mixed Cell Focus Vacuolization Cytoplasmic	Multiple Mild
		[ Clear Cell Focus TGLS = 1-4+11; 2,3-10 ] [ Hepatocellular Adenoma TGLS = 3-10 ] [ Mixed Cell Focus TGLS = 1-4+11 ]	
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 115

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900115

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney	Cortex	Cyst	Minimal
		Metaplasia	Osseous, Mild
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
	[ Hepatocellular Carcinoma TGLS = 1-10 ]		
* Lung	Alveolus	Alveolar/Bronchiolar Carcinoma	Multiple
		Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Chronic Active, Mild
	[ Alveolar/Bronchiolar Carcinoma TGLS = 2-10 ]		
	[ Infiltration Cellular TGLS = 3-10 ]		
	[ Inflammation TGLS = 3-10 ]		
* Preputial Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 115

**TRT#:** 5  
**DOSE:** 10 MG/KG

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

**DAY ON TEST:** 730  
**HISTO:** 9900115

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**ORGAN AND ACCOUNTABLE SITE STATUS**

\* Salivary Glands

Infiltration Cellular

Mononuclear CI, Minimal

\* Spleen

Hemangiosarcoma

\* Thyroid Gland

Follicle

Cyst

Mild

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 116

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900116

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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
* Pituitary Gland	* Seminal Vesicle	* Skin	* Spleen
* Testes	* Thymsus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia Hypertrophy	Mild Minimal
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
[ Adenoma TGLS = 1-9 ]			
* Kidney	Renal Tubule Cortex	Casts Protein Cyst	Mild Mild
		Mineralization	Minimal
* Liver		Nephropathy	Minimal
		Hepatocellular Adenoma	
		Vacuolization Cytoplasmic	Minimal
[ Hepatocellular Adenoma TGLS = 2-10 ]			
* Preputial Gland		Hyperplasia	Basal Cell, Mild
		Infiltration Cellular	Mononuclear CI, Minimal
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 3-10 ]			

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03

**Test Type:** CHRONIC

**Route:** GAVAGE

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acrylonitrile

**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 04:13:29

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

**Lab:** BAT

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**ANIMAL ID:** 116

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900116

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Stomach, Glandular

Glands

Ectasia

Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 50215-03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Test Compound: Acrylonitrile  
 CAS Number: 107-13-1

Date Report Requested: 10/20/2014  
 Time Report Requested: 04:13:29  
 First Dose M/F: NA / NA  
 Lab: BAT

**ANIMAL ID:** 117

**TRT#:** 5  
**DOSE:** 10 MG/KG

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

**DAY ON TEST:** 730  
**HISTO:** 9900117

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* 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	* Parathyroid Gland	* Pituitary Gland
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Bone Marrow		Angiectasis	Moderate
Note: Bone marrow lesion may represent an early hemangiosarcoma.			
* Epididymis		Infiltration Cellular	Mononuclear Cl, Minimal
Harderian Gland		Hyperplasia	Marked
		Infiltration Cellular	Mononuclear Cl, Minimal
* Heart		Inflammation	Chronic Active, Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Minimal
[ Hepatocellular Adenoma TGLS = 4,5-10+11 ]			
[ Hepatocellular Carcinoma TGLS = 2,3-10+11 ]			
* Preputial Gland	Duct	Ectasia	Mild
		Infiltration Cellular	Mononuclear Cl, Mild
		Inflammation	Chronic Active, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 117

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900117

**ORGAN AND ACCOUNTABLE SITE STATUS**

[ Ectasia TGLS = 1-8 ]

* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands	Duct	Cyst	Mild
		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 118

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900118

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia Hypertrophy	Minimal Mild
* Kidney		Mineralization Nephropathy	Minimal Mild
* Lung		Alveolar/Bronchiolar Adenoma	
[ Alveolar/Bronchiolar Adenoma TGLS = 2-10 ]			
* Preputial Gland	Duct	Ectasia	Mild
[ Ectasia TGLS = 1-8 ]			
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Glandular	Glands	Ectasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 119	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> 10 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9900119

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia Hypertrophy Infiltration Cellular	Mild Minimal Mononuclear CI, Minimal
* Epididymis		Hyperplasia Infiltration Cellular	Marked Mononuclear CI, Minimal
Harderian Gland		Nephropathy	Minimal
* Kidney		Hepatocellular Adenoma	Multiple
* Liver		Mixed Cell Focus Vacuolization Cytoplasmic	Mild
			[ Hepatocellular Adenoma TGLS = 2,4-4+10 ] [ Mixed Cell Focus TGLS = 3-10 ]
* Lung	Alveolar Epith	Alveolar/Bronchiolar Adenoma Alveolar/Bronchiolar Carcinoma Hyperplasia	Mild
			[ Alveolar/Bronchiolar Adenoma TGLS = 5-11 ] [ Alveolar/Bronchiolar Carcinoma TGLS = 6-12 ]
* Preputial Gland	Duct	Ectasia Infiltration Cellular	Mild Mononuclear CI, Minimal
			[ Ectasia TGLS = 1-8 ]

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 119

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900119

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Prostate	Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands	Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Forestomach	Squamous Cell Papilloma	Multiple

Note: Epithelial pearls, noted in the stalk of one of the papillomas may be a function of cut or evidence of invasion & early malignancy.  
[ Squamous Cell Papilloma TGLS = 7-12 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 120

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 685

**DOSE:** 10 MG/KG

**DISP:** Natural Death

**HISTO:** 9900120

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Brain	* 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	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

* Mammary Gland	* Pituitary Gland
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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
Blood Vessel	Aorta	Mineralization	Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland	Bilateral	Adenoma	
[ Adenoma TGLS = 1-9 ]			
* Islets, Pancreatic		Adenoma	
* Kidney		Mineralization	Minimal
* Liver		Necrosis	Moderate
		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
[ Squamous Cell Carcinoma TGLS = 5-3+4+12; 6-10 ]			
* Lung	Artery, Mediastinum	Mineralization	Moderate
		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
Lymph Node	Mediastinal	Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
[ Squamous Cell Carcinoma TGLS = 4-6 ]			
Mesentery	Fat	Mineralization	Moderate
	Fat	Necrosis	Marked
	Fat	Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
[ Mineralization TGLS = 3-10 ]			
[ Necrosis TGLS = 3-10 ]			
[ Squamous Cell Carcinoma TGLS = 3-10 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 120

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 685

**DOSE:** 10 MG/KG

**DISP:** Natural Death

**HISTO:** 9900120

**ORGAN AND ACCOUNTABLE SITE STATUS**

* Pancreas	Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
* Preputial Gland	Infiltration Cellular	Mononuclear CI, Minimal
* Prostate	Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
Note: Metastatic squamous cell carcinoma involving the prostate is attached to the serosa of the vas deferens.		
* Spleen	Hematopoietic Cell Proliferation	Marked
* Stomach, Forestomach	Hyperkeratosis	Diffuse, Mild
	Squamous Cell Carcinoma	
[ Squamous Cell Carcinoma TGLS = 2-11 ]		
* Stomach, Glandular	Mineralization	Mild
	Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
* Testes	Mineralization	Minimal
* Thymus	Atrophy	Marked

**PRIMARY CAUSE OF DEATH** - Stomach, Forestomach Squamous Cell Carcinoma

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 121

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900121

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* 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 Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow		Atrophy	Mild
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
[ Adenoma TGLS = 1-9 ]			
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Mild
		Clear Cell Focus	
		Fibrosis	Mild
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Mild
[ Angiectasis TGLS = 4-5 ]			
[ Fibrosis TGLS = 4-5 ]			
[ Hepatocellular Adenoma TGLS = 2,3-10+3 ]			
* Preputial Gland	Bilateral, Duct	Ectasia	Mild
		Infiltration Cellular	Mononuclear CI, Mild
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 121

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900121

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Stomach, Forestomach

Squamous Cell Papilloma

[ Squamous Cell Papilloma TGLS = 5-11 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 122

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 211

**DOSE:** 10 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9900122

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Epididymis	Infiltration Cellular	Mononuclear CI, Minimal
* Intestine Large, Cecum	Inflammation	Chronic Active, Moderate
	Ulcer	Marked
* Kidney	Mineralization	Minimal

PRIMARY CAUSE OF DEATH

- Intestine Large, Cecum Ulcer

CONTRIBUTORY CAUSE OF DEATH

- Intestine Large;Cecum Inflammation

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 123

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900123

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Nose	* Pancreas	* Parathyroid Gland
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland                      \* Thymus

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
		Hypertrophy	Minimal
* Epididymis		Infiltration Cellular	Mononuclear Cl, Minimal
Harderian Gland		Infiltration Cellular	Mononuclear Cl, Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Carcinoma	Multiple
		Inflammation	Chronic Active, Mild
		Necrosis	Mild
		Pigmentation	Minimal
			[ Hepatocellular Carcinoma TGLS = 1,2-12 ]
			[ Necrosis TGLS = 3-11 ]
* Lung	Alveolar Epith	Hepatocellular Carcinoma	Metastatic (Liver)
		Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
			[ Hepatocellular Carcinoma TGLS = 4-10 ]
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Infiltration Cellular	Mononuclear Cl, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear Cl, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 123

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900123

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Spleen

Hematopoietic Cell Proliferation

Mild

\* Stomach, Glandular

Glands

Ectasia

Minimal

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 124

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 512

**DOSE:** 10 MG/KG

**DISP:** Natural Death

**HISTO:** 9900124

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Pancreas	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Adenoma	
[ Adenoma TGLS = 1-9 ]			
* Kidney		Infarct	Mild
		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Mild
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Nose		Foreign Body	
		Inflammation	Suppurative, Mild
Note: Foreign bodies are food particles.			
* Stomach, Forestomach		Hyperkeratosis	Focal, Minimal
	Epithelium	Hyperplasia	Focal, Minimal
* Thymus		Atrophy	Mild

**PRIMARY CAUSE OF DEATH**

- Harderian Gland Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 125

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900125

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex		Hypertrophy	Minimal
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Inflammation	Chronic Active, Mild
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Mild
		Pigmentation	Minimal
[ Hepatocellular Adenoma TGLS = 2,4,5-10+11 ]			
[ Hepatocellular Carcinoma TGLS = 3-11 ]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Oral Mucosa	Gingival	Foreign Body	
	Gingival	Inflammation	Suppurative, Mild
Note: Foreign bodies are hair shafts.			
* Preputial Gland	Duct	Ectasia	Mild
[ Ectasia TGLS = 1-8 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 125

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900125

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Prostate	Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands	Infiltration Cellular	Mononuclear CI, Minimal
* Spleen	Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Squamous Cell Carcinoma	
	Squamous Cell Papilloma	
[ Squamous Cell Carcinoma TGLS = 7-5 ]		
[ Squamous Cell Papilloma TGLS = 6-12 ]		

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 126

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900126

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Preputial Gland	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Adenoma	
	Subcapsular	Hyperplasia	Mild
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney	Renal Tubule	Hyperplasia	Mild
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
		[ Eosinophilic Focus TGLS = 1-10 ]	
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Moderate
		Squamous Cell Papilloma	
		[ Hyperplasia TGLS = 2-11 ]	
		[ Squamous Cell Papilloma TGLS = 2-11 ]	

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 127

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900127

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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
* Parathyroid Gland	* Pituitary Gland	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
		Hypertrophy	Mild
Eye		Atrophy	Marked
	Cornea	Inflammation	Chronic Active, Mild
		Synechia	Mild
[ Atrophy TGLS = 2-10 ]			
Harderian Gland	Bilateral	Adenoma	
[ Adenoma TGLS = 1-9 ]			
* Kidney	Cortex	Cyst	Moderate
		Inflammation	Chronic Active, Mild
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
[ Hepatocellular Adenoma TGLS = 5,6,7-4+11 ]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
Mesentery	Artery	Inflammation	Chronic Active, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 127	<b>TRT#:</b> 5 <b>DOSE:</b> 10 MG/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 732 <b>HISTO:</b> 9900127
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Oral Mucosa	Artery Gingival Gingival	Necrosis Foreign Body Inflammation	Fibrinoid, Moderate Suppurative, Mild
Note: Foreign bodies are hair shafts. * Preputial Gland [ Ectasia TGLS = 3-8 ]	Duct	Ectasia	Mild
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Testes [ Adenoma TGLS = 4-7 ]	Interstit Cell Germinal Epith	Adenoma Degeneration	Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 50215-03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Test Compound: Acrylonitrile  
CAS Number: 107-13-1

Date Report Requested: 10/20/2014  
Time Report Requested: 04:13:29  
First Dose M/F: NA / NA  
Lab: BAT

ANIMAL ID: 128                      TRT#: 5                      SEX: Male                      DAY ON TEST: 732  
DOSE: 10 MG/KG                      DISP: Terminal Sacrifice                      HISTO: 9900128

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Lymph Node, Mesenteric                      \* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney	Cortex	Cyst	Mild
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Necrosis	Mild
		Vacuolization Cytoplasmic	Mild
[ Clear Cell Focus TGLS = 2-11 ]			
[ Eosinophilic Focus TGLS = 2-12 ]			
[ Hepatocellular Adenoma TGLS = 1-10 ]			
[ Mixed Cell Focus TGLS = 2,3-11+12 ]			
* Lung		Alveolar/Bronchiolar Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 128

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900128

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Alveolar/Bronchiolar Adenoma TGLS = 4-12 ]

\* Prostate

Infiltration Cellular

Mononuclear CI, Minimal

\* Salivary Glands

Infiltration Cellular

Mononuclear CI, Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 129

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900129

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* 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 Cortex	Subcapsular	Hyperplasia	Mild
		Hypertrophy	Mild
* Brain		Cyst Epithelial Inclusion	
Note: Inclusion cyst involving brain is mineralized.			
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney	Renal Tubule	Adenoma	
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Angiectasis	Mild
		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Mild

Note: Liver angiectasis and mixed cell focus also on slide #05.

- [ Angiectasis TGLS = 1-11 ]
- [ Hepatocellular Adenoma TGLS = 1-11 ]
- [ Mixed Cell Focus TGLS = 1-11 ]

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 129

**TRT#:** 5  
**DOSE:** 10 MG/KG

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

**DAY ON TEST:** 730  
**HISTO:** 9900129

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Preputial Gland  
[ Ectasia TGLS = 2-8 ]

Duct

Ectasia

Mild

\* Stomach, Forestomach  
[ Squamous Cell Papilloma TGLS = 3-10 ]

Squamous Cell Papilloma

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 50215-03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acrylonitrile

CAS Number: 107-13-1

Date Report Requested: 10/20/2014

Time Report Requested: 04:13:29

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 130

TRT#: 5

DOSE: 10 MG/KG

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 9900130

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Nose	* Pancreas	* Pituitary Gland
* Preputial Gland	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney	Renal Tubule	Hyperplasia	Mild
		Metaplasia	Osseous, Mild
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Moderate
[ Clear Cell Focus TGLS = 1-5+11 ]			
[ Mixed Cell Focus TGLS = 1-5 ]			
* Lung		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Alveolar/Bronchiolar Carcinoma	Moderate
		Erythrophagocytosis	Histiocyte, Moderate
	Alveolus	Infiltration Cellular	
[ Alveolar/Bronchiolar Carcinoma TGLS = 2-3 ]			
[ Alveolar/Bronchiolar Carcinoma TGLS = 4-12 ]			

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 130

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900130

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Prostate	Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands	Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Forestomach [ Squamous Cell Papilloma TGLS = 3-10 ]	Squamous Cell Papilloma	
Tooth	Malformation	

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 131

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900131

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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
* Pituitary Gland	* Preputial Gland	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder		

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex		Adenoma	
	Subcapsular	Hyperplasia	Minimal
		Hypertrophy	Mild
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Mild
		[ Clear Cell Focus TGLS = 2-10 ]	
		[ Hepatocellular Adenoma TGLS = 1-10 ]	
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
		[ Squamous Cell Papilloma TGLS = 3-5 ]	
* Thyroid Gland	Follicle	Cyst	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 131

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900131

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 132

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 702

**DOSE:** 10 MG/KG

**DISP:** Natural Death

**HISTO:** 9900132

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Lymph Node, Mesenteric	* Parathyroid Gland
* Pituitary Gland	* Seminal Vesicle	* Skin	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

* Lymph Node, Mandibular	* Mammary Gland
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**OBSERVATIONS**

* Adrenal Cortex		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
* Epididymis		Inflammation	Chronic Active, Minimal
Harderian Gland	Bilateral	Adenoma	
[ Adenoma TGLS = 1-9 ]			
* Kidney		Mineralization	Minimal
		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
* Liver		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Carcinoma	
		Necrosis	Mild
[ Hepatocellular Carcinoma TGLS = 3-13 ]		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
[ Squamous Cell Carcinoma TGLS = 3,9-13+12 ]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Mineralization	Minimal
		Pigmentation	Minimal
		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
Note: Pulmonary vessels contain a large amount of circulating myeloid cells.			
[ Squamous Cell Carcinoma TGLS = 10-13 ]			
Lymph Node	Pancreatic	Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
[ Squamous Cell Carcinoma TGLS = 7-11 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 132      **TRT#:** 5      **SEX:** Male      **DAY ON TEST:** 702  
**DOSE:** 10 MG/KG      **DISP:** Natural Death      **HISTO:** 9900132

**ORGAN AND ACCOUNTABLE SITE STATUS**

Mesentery	Fat	Mineralization	Minimal
	Fat	Necrosis	Marked
	Fat	Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
[ Necrosis TGLS = 4,6-10 ]			
[ Squamous Cell Carcinoma TGLS = 4,6-10 ]			
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Pancreas		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Mineralization	Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
Skeletal Muscle		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
[ Squamous Cell Carcinoma TGLS = 8-11 ]			
* Spleen		Hematopoietic Cell Proliferation	Marked
[ Hematopoietic Cell Proliferation TGLS = 2-4 ]			
* Stomach, Forestomach		Hyperkeratosis	Diffuse, Mild
	Epithelium	Hyperplasia	Focal, Mild
		Squamous Cell Carcinoma	
[ Squamous Cell Carcinoma TGLS = 5-12 ]			
* Stomach, Glandular		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
* Thymus		Atrophy	Marked

**PRIMARY CAUSE OF DEATH**      - Stomach, Forestomach      Squamous Cell Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 133

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900133

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland                      \* Thymus

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney	Cortex	Cyst	Mild
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Hepatocellular Carcinoma	
[ Hepatocellular Carcinoma TGLS = 2-10 ]			
Oral Mucosa	Gingival	Inflammation	Suppurative, Moderate
* Preputial Gland	Duct	Ectasia	Moderate
[ Ectasia TGLS = 1-8 ]			
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
Tooth		Inflammation	Suppurative, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:29  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 134

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900134

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
		Hypertrophy	Mild
Harderian Gland		Hyperplasia	Moderate
* Kidney		Inflammation	Chronic Active, Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Mild
* Lung		Alveolar/Bronchiolar Carcinoma	
		[ Alveolar/Bronchiolar Carcinoma TGLS = 1-3 ]	
* Preputial Gland	Duct	Ectasia	Mild
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
		[ Squamous Cell Papilloma TGLS = 2-10 ]	
* Stomach, Glandular	Glands	Ectasia	Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 135

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900135

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Mild
[ Hepatocellular Adenoma TGLS = 2-10 ]			
* Preputial Gland	Duct	Ectasia	Mild
[ Ectasia TGLS = 1-8 ]			
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Forestomach		Squamous Cell Carcinoma	
[ Squamous Cell Carcinoma TGLS = 3-11 ]			

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 136

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900136

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia Lymphoma Malignant	Minimal
Note: Only one adrenal gland available for histologic examination.			
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland	Bilateral	Adenoma	
[ Adenoma TGLS = 1-9 ]			
* Intestine Small, Jejunum		Inflammation	Chronic Active, Moderate
* Kidney		Accumulation, Hyaline Droplet	Moderate
* Liver		Inflammation	Chronic Active, Mild
[ Lymphoma Malignant TGLS = 7,8,9,10-12+4+14+13 ]			
* Lung		Lymphoma Malignant	
Lymph Node	Lumbar	Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 12-11 ]			
[ Lymphoma Malignant TGLS = 4-13 ]			
[ Lymphoma Malignant TGLS = 5-14 ]			
* Lymph Node, Mandibular		Lymphoma Malignant	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 136	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 732
	<b>DOSE:</b> 10 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9900136

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Lymphoma Malignant TGLS = 11-10 ] * Lymph Node, Mesenteric		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 6-15 ] * Preputial Gland	Duct	Ectasia Infiltration Cellular	Mild Mononuclear CI, Mild
[ Ectasia TGLS = 2-8 ] * Spleen		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 3-4 ] * Stomach, Glandular * Thymus	Glands	Ectasia Atrophy	Minimal Marked

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 137

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900137

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Eye	Retina	Atrophy	Moderate
	Lens	Cataract	Marked
	Cornea	Inflammation	Chronic Active, Mild
[ Atrophy TGLS = 1-10 ]			
[ Cataract TGLS = 1-10 ]			
Harderian Gland	Bilateral	Adenoma	
[ Adenoma TGLS = 2-9 ]			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 138

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900138

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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
* Pituitary Gland	* Preputial Gland	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
[ Adenoma TGLS = 1-9 ]			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Mild
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Forestomach		Squamous Cell Carcinoma	
[ Squamous Cell Carcinoma TGLS = 2-10 ]			

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 139

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900139

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Preputial Gland	* Prostate
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia Hypertrophy	Mild Mild
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney	Cortex	Cyst Infarct Mineralization Nephropathy	Mild Mild Minimal Minimal
* Liver		Clear Cell Focus Inflammation Vacuolization Cytoplasmic	Chronic Active, Minimal Mild
[ Clear Cell Focus TGLS = 1-5+10 ]			
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia Squamous Cell Papilloma	Focal, Marked

[ Squamous Cell Papilloma TGLS = 2-11 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 140

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900140

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Glandular
* Testes	* Trachea	* Urinary Bladder	

**MISSING**

* Mammary Gland	* Parathyroid Gland	* Thymus
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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Epididymis		Hypertrophy	Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
		Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
[ Adenoma TGLS = 4-9 ]			
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hemangiosarcoma	
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Mild

Note: TGL#2-11-NCL: Liver nodule, documented at necropsy, not demonstrated on slide #11. It's on slide #05.

[ Clear Cell Focus TGLS = 1-4 ]

[ Hemangiosarcoma TGLS = 2-5 ]

[ Hepatocellular Adenoma TGLS = 1-4,10; 3-10 ]

\* Stomach, Forestomach

Squamous Cell Papilloma

[ Squamous Cell Papilloma TGLS = 5-12 ]

\* Thyroid Gland

Follicular Cel

Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 140

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900140

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 141

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900141

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Mammary Gland                      \* Thymus

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
* Heart		Inflammation	Chronic Active, Mild
* Kidney	Renal Tubule	Hyperplasia	Mild
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Mild

Note: TGL#5-10-NCL: Liver nodule, documented at necropsy, not demonstrated histologically.

[ Clear Cell Focus TGLS = 2,3,4-10+11+12 ]

[ Hepatocellular Adenoma TGLS = 2,-4+12 ]

* Preputial Gland	Duct	Ectasia	Mild
		[ Ectasia TGLS = 1-8 ]	

* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Glandular	Glands	Ectasia	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 142

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900142

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Nose	* Pancreas
* Pituitary Gland	* Prostate	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Epididymis		Infiltration Cellular	Mononuclear CI, Mild
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
		Pigmentation	Minimal
[ Hepatocellular Carcinoma TGLS = 3-4 ]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	Alveolar Epith	Hyperplasia	Mild
* Preputial Gland	Duct	Ectasia	Mild
		Inflammation	Chronic Active, Mild
[ Ectasia TGLS = 1-8 ]			
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 2-4 ]			
* Stomach, Forestomach		Squamous Cell Papilloma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 142

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900142

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Squamous Cell Papilloma TGLS = 4-10 ]

\* Testes

Mineralization

Mild

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 143

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900143

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
		Hypertrophy	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Metaplasia	Osseous, Minimal
		Nephropathy	Minimal
	Glomerulus	Thrombosis	Minimal
* Liver		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Minimal
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
		[ Squamous Cell Papilloma TGLS = 1-10 ]	

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 144

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900144

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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
* Pituitary Gland	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia Hypertrophy	Mild Minimal
* Epididymis Harderian Gland		Infiltration Cellular Adenoma	Mononuclear CI, Minimal
* Kidney	Cortex	Infiltration Cellular Cyst Mineralization Nephropathy	Mononuclear CI, Minimal Mild Minimal Minimal
* Liver		Clear Cell Focus Hepatocellular Adenoma Hepatocellular Carcinoma Inflammation Mixed Cell Focus Necrosis Vacuolization Cytoplasmic	Multiple Chronic Active, Minimal Mild Mild

Note: Small hepatocellular adenoma also on slide #11.

[ Hepatocellular Adenoma TGLS = 3-5 ]

[ Hepatocellular Carcinoma TGLS = 3-11 ]

Mesentery	Fat	Necrosis	Marked
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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 144

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900144

**ORGAN AND ACCOUNTABLE SITE STATUS**

[ Necrosis TGLS = 2-10 ]

\* Preputial Gland

Duct

Ectasia

Moderate

Infiltration Cellular

Mononuclear CI, Mild

[ Ectasia TGLS = 1-8 ]

\* Prostate

Infiltration Cellular

Mononuclear CI, Minimal

\* Salivary Glands

Infiltration Cellular

Mononuclear CI, Mild

\* Stomach, Forestomach

Squamous Cell Carcinoma

[ Squamous Cell Carcinoma TGLS = 4-12 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 145

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900145

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Pituitary Gland	* Prostate	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
		Hypertrophy	Mild
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Hyperplasia	Marked
		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Angiectasis	Moderate
		Clear Cell Focus	
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Mild
<p>Note: TGL#2-11-NCL: Liver focus, documented at necropsy, not demonstrated histologically.          [ Angiectasis TGLS = 4-10 ]          [ Hepatocellular Adenoma TGLS = 3-10 ]</p>			
* Lung	Alveolar Epith	Hyperplasia	Mild
* Preputial Gland	Duct	Ectasia	Moderate
		Infiltration Cellular	Mononuclear CI, Minimal
<p>[ Ectasia TGLS = 1-8 ]</p>			
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Thyroid Gland	Follicle	Cyst	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 145

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900145

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 146

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 626

**DOSE:** 10 MG/KG

**DISP:** Natural Death

**HISTO:** 9900146

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* 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	* Seminal Vesicle
* Skin	* Testes	* Trachea	* Urinary Bladder

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
* Islets, Pancreatic		Adenoma	
* Kidney	Cortex	Cyst	Mild
		Mineralization	Minimal
		Nephropathy	Minimal
Note: TGL#3-4-NCL: Cause of pale renal discoloration, documented at necropsy, not demonstrated histologically. May have been due to generalized anemia.			
* Liver		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
Note: Metastatic squamous cell carcinoma involving the liver also present on slides #s 03, 04, & 05. [ Squamous Cell Carcinoma TGLS = 4-10 ]			
* Lung		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
Note: TGL#1-3: Pulmonary capillaries filled with leukocytes accounting for the pale discoloration documented at necropsy. Unable to code using current NTP lexicon.			
* Preputial Gland	Duct	Ectasia	Mild
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
[ Hematopoietic Cell Proliferation TGLS = 2-4 ]			
* Stomach, Forestomach		Squamous Cell Carcinoma	
[ Squamous Cell Carcinoma TGLS = 5-11 ]			

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 146	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 626
	<b>DOSE:</b> 10 MG/KG	<b>DISP:</b> Natural Death	<b>HISTO:</b> 9900146

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Stomach, Glandular		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicle	Cyst	Mild

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PRIMARY CAUSE OF DEATH - Stomach, Forestomach Squamous Cell Carcinoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 147

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 497

**DOSE:** 10 MG/KG

**DISP:** Natural Death

**HISTO:** 9900147

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Adenoma	
	Subcapsular	Hyperplasia	Minimal
Eye		Atrophy	Mild
	Lens	Cataract	Mild
	Cornea, Sclera	Inflammation	Chronic Active, Marked
		Synechia	Mild
[ Atrophy TGLS = 1-10 ]			
Harderian Gland		Adenoma	
		Carcinoma	
[ Adenoma TGLS = 2-9 ]			
[ Carcinoma TGLS = 2-9 ]			
* Kidney		Mineralization	Minimal
* Liver			
Note: TGL#3-11-NCL: Liver masses, documented at necropsy, not demonstrated histologically.			
* Lung		Carcinoma	Metastatic (Harderian Gland)
[ Carcinoma TGLS = 4,5,6-12+13+14 ]			
* Nose		Carcinoma	Metastatic (Harderian Gland)
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 147

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 497

**DOSE:** 10 MG/KG

**DISP:** Natural Death

**HISTO:** 9900147

**ORGAN AND ACCOUNTABLE SITE STATUS**

Inflammation

Chronic Active, Minimal

Ulcer

Multifocal, Mild

[ Hyperplasia TGLS = 7-15 ]

[ Ulcer TGLS = 7-15 ]

\* Thymus

Atrophy

Marked

PRIMARY CAUSE OF DEATH

- Harderian Gland Carcinoma

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 50215-03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Acrylonitrile  
CAS Number: 107-13-1

Date Report Requested: 10/20/2014  
Time Report Requested: 04:13:30  
First Dose M/F: NA / NA  
Lab: BAT

ANIMAL ID: 148

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 10 MG/KG

DISP: Terminal Sacrifice

HISTO: 9900148

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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	Mesentery	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

\* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia Hypertrophy	Mild Minimal
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland	Bilateral	Adenoma	
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Angiectasis	Moderate
		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Infarct	Marked
		Inflammation	Chronic Active, Mild
		Vacuolization Cytoplasmic	Mild

Note: Hepatic eosinophilic and clear cell foci also on slide #03.

[ Clear Cell Focus TGLS = 2,3-11+13 ]

[ Eosinophilic Focus TGLS = 2-11 ]

[ Hepatocellular Adenoma TGLS = 1-4+12; 2,3-11+13 ]

[ Infarct TGLS = 4-10 ]

Mesentery

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 148	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 10 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9900148

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: TGL#4-10: Mesenteric fat nodule, documented at necropsy, is a infarcted piece of liver histologically.

* Preputial Gland	Duct	Ectasia	Mild
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 5-14 ]			
* Stomach, Glandular	Glands	Ectasia	Minimal
Tooth		Malformation	

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 149

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 563

**DOSE:** 10 MG/KG

**DISP:** Natural Death

**HISTO:** 9900149

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Blood Vessel	* 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	* Nose
* Pancreas	* Pituitary Gland	* Preputial Gland	* Seminal Vesicle
* Skin	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
* Adrenal Medulla		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
* Epididymis			
Note: TGL#3-17-NCL: Red focus, documented at necropsy, not demonstrated histologically.			
Eye		Atrophy	Mild
	Cornea	Inflammation	Chronic Active, Mild
[ Atrophy TGLS = 1-10 ]			
Harderian Gland	Bilateral	Adenoma	
[ Adenoma TGLS = 2-9 ]			
* Heart		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
* Kidney		Mineralization	Minimal
* Liver		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Vacuolization Cytoplasmic	Minimal
[ Alveolar/Bronchiolar Carcinoma TGLS = 4-16; 10-15 ]			
[ Hepatocellular Carcinoma TGLS = 4-16 ]			
* Lung	Mediastinum	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Alveolar/Bronchiolar Carcinoma	
		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 149	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 563
	<b>DOSE:</b> 10 MG/KG	<b>DISP:</b> Natural Death	<b>HISTO:</b> 9900149

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Alveolar/Bronchiolar Carcinoma TGLS = 5,6,8-11+13 ]			
[ Alveolar/Bronchiolar Carcinoma TGLS = 7-12 ]			
Lymph Node	Mediastinal	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
[ Alveolar/Bronchiolar Carcinoma TGLS = 9-14 ]			
* Lymph Node, Mesenteric		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Hyperkeratosis	Focal, Mild
		Inflammation	Chronic Active, Multifocal, Minimal
		Ulcer	Mild
[ Hyperkeratosis TGLS = 11-18 ]			
[ Inflammation TGLS = 11-18 ]			
[ Ulcer TGLS = 11-18 ]			
* Stomach, Glandular		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
[ Alveolar/Bronchiolar Carcinoma TGLS = 12-18 ]			
* Thymus		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)

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**PRIMARY CAUSE OF DEATH**                      - Lung    Alveolar/Bronchiolar Carcinoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 150

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900150

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

* Mammary Gland	* Parathyroid Gland	* Pituitary Gland
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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Hyperplasia	Mild
		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
	[ Hepatocellular Carcinoma TGLS = 1-3+10 ]		
* Preputial Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Mild
* Stomach, Glandular	Glands	Ectasia	Minimal
Tooth		Malformation	

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 151

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 673

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900151

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
Note: Only one adrenal gland available for histologic examination.			
Harderian Gland	Bilateral	Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Infarct	Mild
		Nephropathy	Mild
* Liver		Fibrosis	Mild
		Inflammation	Chronic Active, Minimal
		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
[ Fibrosis TGLS = 2-10 ]			
Mesentery	Fat	Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
Peritoneum		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
* Preputial Gland	Duct	Ectasia	Mild
		Infiltration Cellular	Mononuclear CI, Minimal
[ Ectasia TGLS = 1-8 ]			
* Stomach, Forestomach		Squamous Cell Carcinoma	
[ Squamous Cell Carcinoma TGLS = 3-10 ]			
* Thymus		Atrophy	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 151

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 673

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900151

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

- Stomach, Forestomach Squamous Cell Carcinoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 152

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 554

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900152

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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
* 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 Cortex	Subcapsular	Hyperplasia	Minimal
Note: Only one adrenal gland available for histologic examination.			
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Metaplasia	Osseous, Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
		Vacuolization Cytoplasmic	Mild
* Preputial Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 153

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 588

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900153

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Lymph Node, Mandibular	* Nose
* Pancreas	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

* Mammary Gland	* Parathyroid Gland	* Thymus
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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland	Bilateral	Adenoma	
* Heart		Mineralization	Mild
* Kidney	Cortex	Cyst	Mild
		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Histiocytic Sarcoma	
[ Histiocytic Sarcoma TGLS = 3-4+5 ]			
* Lung		Histiocytic Sarcoma	
* Lymph Node, Mesenteric		Ectasia	Marked
		Hematopoietic Cell Proliferation	Minimal
		Histiocytic Sarcoma	
		Inflammation	Chronic Active, Minimal
Note: Ectatic sinusoids are filled with blood. There is also evidence of minimal thrombosis which cannot be coded using the current NTP lexicon.			
* Preputial Gland		Infiltration Cellular	Mononuclear CI, Mild
* Spleen		Hematopoietic Cell Proliferation	Marked
		Histiocytic Sarcoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 153	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 588
	<b>DOSE:</b> 20 MG/KG	<b>DISP:</b> Natural Death	<b>HISTO:</b> 9900153

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Hematopoietic Cell Proliferation TGLS = 2-4 ]		
[ Histiocytic Sarcoma TGLS = 2-4 ]		
* Stomach, Forestomach	Squamous Cell Papilloma	Multiple
[ Squamous Cell Papilloma TGLS = 5-5 ]		
Tooth	Peridont Tiss	Sarcoma
PRIMARY CAUSE OF DEATH	- Liver	Histiocytic Sarcoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 154

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 724

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900154

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Bone		Hyperostosis	Mild
[ Hyperostosis TGLS = 1-11 ]			
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Heart		Hemangioma	
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
[ Eosinophilic Focus TGLS = 5-4 ]			
[ Hepatocellular Adenoma TGLS = 3,4-5+12 ]			
[ Hepatocellular Carcinoma TGLS = 2-10 ]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen	Lymph Follic	Depletion Cellular	Marked
		Fibrosis	Mild
		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 6-13 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 154

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 724

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900154

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Thymus	Thymocyte	Necrosis	Moderate
PRIMARY CAUSE OF DEATH	- Liver Hepatocellular Carcinoma		
CONTRIBUTORY CAUSE OF DEATH	- Lung Hepatocellular Carcinoma Liver		

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 155

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 728

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900155

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* 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**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Adenoma	
[ Adenoma TGLS = 1-9 ]			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
[ Hepatocellular Adenoma TGLS = 2-11 ]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Preputial Gland	Duct	Ectasia	Mild
		Inflammation	Chronic Active, Mild
* Stomach, Forestomach		Squamous Cell Carcinoma	
[ Squamous Cell Carcinoma TGLS = 3-10 ]			

**PRIMARY CAUSE OF DEATH**

- Harderian Gland Adenoma

**CONTRIBUTORY CAUSE OF DEATH**

- Stomach;Forestomach Squamous Cell Carcinoma

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 156      **TRT#:** 7      **SEX:** Male      **DAY ON TEST:** 716  
**DOSE:** 20 MG/KG      **DISP:** Moribund Sacrifice      **HISTO:** 9900156

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Nose
* Pancreas	* Parathyroid Gland	* Prostate	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

* Lymph Node, Mandibular	* Mammary Gland	* Pituitary Gland	* Thymus
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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Epididymis		Atrophy	Moderate
Harderian Gland		Adenoma	
[ Adenoma TGLS = 1-9 ]			
* Kidney		Nephropathy	Marked
* Liver		Hepatocellular Carcinoma	
[ Hepatocellular Carcinoma TGLS = 4-5 ]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Lymph Node, Mesenteric		Atrophy	Moderate
Oral Mucosa	Gingival	Inflammation	Suppurative, Mild
* Preputial Gland	Duct	Ectasia	Moderate
[ Ectasia TGLS = 2-8 ]			
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Hyperkeratosis	Focal, Mild
	Epithelium	Hyperplasia	Focal, Minimal
		Hyperplasia	Moderate
[ Hyperplasia TGLS = 5-10 ]			
* Testes	Germinal Epith	Degeneration	Marked
[ Degeneration TGLS = 3-7 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 156

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 716

**DOSE:** 20 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9900156

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Tooth

Malformation

---

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

CONTRIBUTORY CAUSE OF DEATH

- Lung Hepatocellular Carcinoma Liver

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 157

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900157

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Seminal Vesicle	* Skin
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
		Hypertrophy	Minimal
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Adenoma	
[ Adenoma TGLS = 1-9 ]			
* Heart		Inflammation	Chronic Active, Minimal
* Kidney	Cortex	Cyst	Minimal
		Infarct	Mild
		Metaplasia	Osseous, Mild
		Mineralization	Minimal
* Liver		Eosinophilic Focus	
		Hemangiosarcoma	
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Minimal
[ Eosinophilic Focus TGLS = 3-4 ]			
[ Hemangiosarcoma TGLS = 4-10 ]			
[ Hepatocellular Carcinoma TGLS = 2-5 ]			
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 157

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900157

**ORGAN AND ACCOUNTABLE SITE STATUS**

* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 5-11 ]			
* Stomach, Glandular	Glands	Ectasia	Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 158

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 603

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900158

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
Harderian Gland		Adenoma	
[ Adenoma TGLS = 1-9 ]			
* Kidney		Mineralization	Minimal
* Liver		Vacuolization Cytoplasmic	Minimal
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Moderate
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Forestomach		Hyperkeratosis	Diffuse, Mild

**PRIMARY CAUSE OF DEATH**

- Harderian Gland Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 159

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900159

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
Harderian Gland		Hyperplasia	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Angiectasis	Mild
		Hepatocellular Adenoma	
		Vacuolization Cytoplasmic	Mild
	[ Hepatocellular Adenoma TGLS = 2-10 ]		
* Lung	Alveolar Epith	Hyperplasia	Moderate
* Preputial Gland	Duct	Ectasia	Moderate
	[ Ectasia TGLS = 1-8 ]		
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
	[ Squamous Cell Papilloma TGLS = 3-11 ]		

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 160

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 695

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900160

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Gallbladder		Cyst	Mild
Harderian Gland		Adenoma	
* Kidney		Infarct	Mild
* Liver		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
	[ Squamous Cell Carcinoma TGLS = 1-5+11 ]		
* Lung		Alveolar/Bronchiolar Adenoma	
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
* Stomach, Forestomach		Hyperkeratosis	Diffuse, Mild
		Squamous Cell Carcinoma	
	[ Squamous Cell Carcinoma TGLS = 2-5+10 ]		
* Stomach, Glandular		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)

**PRIMARY CAUSE OF DEATH** - Stomach, Forestomach Squamous Cell Carcinoma

**CONTRIBUTORY CAUSE OF DEATH** - Liver Squamous Cell Carcinoma Stomach;Forestomach

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 161

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 554

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900161

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

* Lymph Node, Mandibular	* Mammary Gland	* Parathyroid Gland	* Pituitary Gland
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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Thymus	Thymocyte	Necrosis	Marked

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 162

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900162

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Lung
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Adenoma	
[ Adenoma TGLS = 1-9 ]			
* Intestine Small, Jejunum		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 4-10 ]			
* Kidney		Inflammation	Chronic Active, Mild
		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Lung			
Note: TGL#2-10-NCL: Nodule documented at necropsy, not demonstrated histologically.			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 3-5 ]			
* Preputial Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Forestomach		Hyperkeratosis	Focal, Moderate
	Epithelium	Hyperplasia	Focal, Moderate
		Squamous Cell Papilloma	Multiple

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 162

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900162

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Hyperkeratosis TGLS = 5-11 ]

[ Hyperplasia TGLS = 5-11 ]

[ Squamous Cell Papilloma TGLS = 5-11 ]

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 163

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900163

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Epididymis		Infiltration Cellular	Mononuclear CI, Mild
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Mineralization	Minimal
* Liver		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Mild
	[ Hepatocellular Adenoma TGLS = 2-4 ]		
* Lung	Alveolar Epith	Hyperplasia	Mild
* Preputial Gland	Duct	Ectasia	Moderate
		Infiltration Cellular	Mononuclear CI, Minimal
	[ Ectasia TGLS = 1-8 ]		
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
Tooth		Malformation	

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 164

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900164

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
[ Adenoma TGLS = 1-9 ]			
* Kidney		Infarct	Mild
		Nephropathy	Mild
* Liver		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	Multiple
[ Squamous Cell Papilloma TGLS = 2,3-10 ]			

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 165

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900165

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

* Gallbladder	* Mammary Gland
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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
[ Adenoma TGLS = 1-9 ]			
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
[ Hepatocellular Adenoma TGLS = 3-10 ]			
[ Hepatocellular Carcinoma TGLS = 2-13 ]			
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Minimal
		Squamous Cell Papilloma	Multiple
[ Squamous Cell Papilloma TGLS = 4-11 ]			
* Stomach, Glandular		Hyperplasia	Focal, Moderate
[ Hyperplasia TGLS = 5-12 ]			

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 166

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 239

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900166

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Forestomach		Hyperkeratosis	Diffuse, Minimal

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 167

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 554

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900167

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Lymph Node, Mesenteric                      \* Mammary Gland

**OBSERVATIONS**

\* Adren Cortex

Note: Only one adrenal gland available for histologic examination.

Eye

Lens

Cornea

Atrophy

Cataract

Inflammation

Synechia

Moderate

Mild

Chronic Active, Mild

Mild

Note: TGL#1-9: Discoloration involving left eye, documented at necropsy, is due to Harderian gland carcinoma. Eye is autolytic but otherwise normal histologically.

Harderian Gland

Carcinoma

[ Carcinoma TGLS = 1-9 ]

\* Lung

Carcinoma

Metastatic (Harderian Gland)

[ Carcinoma TGLS = 2-3 ]

\* Stomach, Forestomach

Squamous Cell Papilloma

PRIMARY CAUSE OF DEATH

- Harderian Gland Carcinoma

CONTRIBUTORY CAUSE OF DEATH

- Lung Carcinoma Harderian Gland

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 168

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900168

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Preputial Gland	* Seminal Vesicle
* Skin	* Testes	* Trachea	* Urinary Bladder

**MISSING**

* Mammary Gland	* Thymus
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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Adenoma	
		Hyperplasia	Mild
		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Minimal
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Squamous Cell Papilloma	
	[ Squamous Cell Papilloma TGLS = 1-10 ]		
* Stomach, Glandular	Glands	Ectasia	Minimal
* Thyroid Gland	Follicle	Cyst	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 169

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 283

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900169

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Liver		Basophilic Focus	
* Lung			

Note: TGL#1-3-NCL: Other than some nonspecific congestion, the lungs are within normal limits histologically.

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 170

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 477

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900170

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Preputial Gland	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**INSUFFICIENT TISSUE**

\* Pituitary Gland

**OBSERVATIONS**

Harderian Gland [ Adenoma TGLS = 1-9 ]	Adenoma	
* Prostate	Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands	Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Forestomach	Hyperkeratosis	Focal, Mild
	Epithelium	Focal, Mild
	Hyperplasia	

**PRIMARY CAUSE OF DEATH**

- Harderian Gland Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 171

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 410

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900171

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* 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 Cortex	Subcapsular	Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Vacuolization Cytoplasmic	Minimal
Note: TGL#1-10-NCL: Liver focus, documented at necropsy, not demonstrated histologically.			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Preputial Gland	Duct	Ectasia	Mild
		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 2-11 ]			

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 172

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900172

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Hypertrophy	Minimal
* Epididymis	Infiltration Cellular	Mononuclear CI, Minimal
* Kidney	Mineralization	Minimal
	Nephropathy	Minimal
* Liver	Hepatocellular Adenoma	
	Inflammation	Chronic Active, Minimal
	Vacuolization Cytoplasmic	Mild
[ Hepatocellular Adenoma TGLS = 1-10 ]		
* Prostate	Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Forestomach	Squamous Cell Papilloma	Multiple

Note: Forestomach lesion (TGL#2-10) may represent early malignancy (Squamous cell carcinoma).

[ Squamous Cell Papilloma TGLS = 2,3-10+5 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 173

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 679

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900173

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Parathyroid Gland	* Pituitary Gland
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia Lymphoma Malignant	Minimal
* Epididymis	Bilateral	Lymphoma Malignant	
Harderian Gland [ Adenoma TGLS = 1-9 ]		Adenoma	
* Heart	Cortex	Lymphoma Malignant	
* Kidney		Cyst	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Lymphoma Malignant	
		Vacuolization Cytoplasmic	Minimal
		Lymphoma Malignant	
* Lung	Mediastinal	Lymphoma Malignant	
Lymph Node		Lymphoma Malignant	
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Minimal
* Pancreas	Acinus	Atrophy	Minimal
		Lymphoma Malignant	
* Preputial Gland		Lymphoma Malignant	
* Prostate		Lymphoma Malignant	
* Salivary Glands		Lymphoma Malignant	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 173

**TRT#:** 7  
**DOSE:** 20 MG/KG

**SEX:** Male  
**DISP:** Natural Death

**DAY ON TEST:** 679  
**HISTO:** 9900173

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Skin	Subcut Tiss	Lymphoma Malignant
* Spleen		Lymphoma Malignant
[ Lymphoma Malignant TGLS = 2-4 ]		
* Testes		Lymphoma Malignant

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**PRIMARY CAUSE OF DEATH** - Spleen Lymphoma Malignant

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 174

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 547

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900174

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
Harderian Gland		Hyperplasia	Mild
* Liver		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
[ Squamous Cell Carcinoma TGLS = 2,3-12+5 ]			
Lymph Node	Pancreatic	Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
[ Squamous Cell Carcinoma TGLS = 1-10 ]			
* Pancreas		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
[ Squamous Cell Carcinoma TGLS = 1-10 ]			
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Squamous Cell Carcinoma	
[ Squamous Cell Carcinoma TGLS = 4,5-5+11 ]			
* Stomach, Glandular		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)

**PRIMARY CAUSE OF DEATH** - Stomach, Forestomach Squamous Cell Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 175

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 642

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900175

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Blood Vessel	* 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	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Alveolar/Bronchiolar Carcinoma Hyperplasia	Metastatic (Lung) Minimal
* Adrenal Medulla		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Harderian Gland		Adenoma	
		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		[ Adenoma TGLS = 1-9 ]	
		[ Alveolar/Bronchiolar Carcinoma TGLS = 1-9 ]	
* Kidney		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		[ Alveolar/Bronchiolar Carcinoma TGLS = 4-4 ]	
* Liver		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		[ Alveolar/Bronchiolar Carcinoma TGLS = 3-3+10 ]	
* Lung	Mediastinum	Alveolar/Bronchiolar Adenoma	Multiple
		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Alveolar/Bronchiolar Carcinoma	
		Inflammation	Granulomatous, Marked
		[ Alveolar/Bronchiolar Adenoma TGLS = 9-12 ]	
		[ Alveolar/Bronchiolar Carcinoma TGLS = 8,9-12 ]	
Lymph Node	Mediastinal	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		[ Alveolar/Bronchiolar Carcinoma TGLS = 6-11 ]	
* Pancreas		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 175	<b>TRT#:</b> 7 <b>DOSE:</b> 20 MG/KG	<b>SEX:</b> Male <b>DISP:</b> Natural Death	<b>DAY ON TEST:</b> 642 <b>HISTO:</b> 9900175
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Preputial Gland [ Ectasia TGLS = 2-8 ]	Bilateral, Duct	Ectasia	Mild
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach [ Squamous Cell Papilloma TGLS = 7-10 ]		Squamous Cell Papilloma	
* Thymus Tongue [ Alveolar/Bronchiolar Carcinoma TGLS = 5-11 ]		Atrophy Alveolar/Bronchiolar Carcinoma	Marked Metastatic (Lung)

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**PRIMARY CAUSE OF DEATH** - Lung Alveolar/Bronchiolar Carcinoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 176

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 211

**DOSE:** 20 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9900176

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Pituitary Gland	* Preputial 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	Inflammation	Chronic Active, Minimal
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**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 177	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 492
	<b>DOSE:</b> 20 MG/KG	<b>DISP:</b> Natural Death	<b>HISTO:</b> 9900177

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

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**MISSING**

* Mammary Gland	* Thymus
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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
Blood Vessel			
Note: Aorta on slide #03 with heart.			
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	Multiple
[ Squamous Cell Papilloma TGLS = 1-5 ]			

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

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 178

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 520

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900178

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Preputial 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**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Mineralization	Minimal
* Liver		Hepatocellular Adenoma	

[ Hepatocellular Adenoma TGLS = 1-10 ]

**PRIMARY CAUSE OF DEATH**

- Liver Hepatocellular Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 179

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 553

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900179

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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
* Preputial Gland	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

Harderian Gland	Adenoma	
* Kidney	Mineralization	Minimal
* Liver	Basophilic Focus	
	Vacuolization Cytoplasmic	Mild
* Prostate	Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands	Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Forestomach	Squamous Cell Papilloma	

[ Squamous Cell Papilloma TGLS = 1-10 ]

**PRIMARY CAUSE OF DEATH**

- Harderian Gland Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 180

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 540

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900180

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
Harderian Gland		Adenoma	
[ Adenoma TGLS = 1-9 ]			
* Liver		Vacuolization Cytoplasmic	Mild
* Stomach, Forestomach		Squamous Cell Carcinoma	
[ Squamous Cell Carcinoma TGLS = 2-5 ]			

**PRIMARY CAUSE OF DEATH** - Stomach, Forestomach Squamous Cell Carcinoma  
**CONTRIBUTORY CAUSE OF DEATH** - Harderian Gland Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 181

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 656

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900181

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose
* Pituitary Gland	* Preputial Gland	* Prostate	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
* Epididymis		Infiltration Cellular	Mononuclear Cl, Minimal
* Gallbladder		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
* Kidney		Infarct	Mild
		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
* Liver		Hematopoietic Cell Proliferation	Moderate
		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
		[ Squamous Cell Carcinoma TGLS = 2,3-11+4+5 ]	
* Lung		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
Lymph Node	Pancreatic	Hyperplasia	Lymphoid, Moderate
	Bronchial	Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
* Lymph Node, Mesenteric		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
* Pancreas		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
* Salivary Glands		Infiltration Cellular	Mononuclear Cl, Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
		[ Hematopoietic Cell Proliferation TGLS = 1-4 ]	
* Stomach, Forestomach		Squamous Cell Carcinoma	
		[ Squamous Cell Carcinoma TGLS = 4-10 ]	

**PRIMARY CAUSE OF DEATH** - Stomach, Forestomach Squamous Cell Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 181

**TRT#:** 7

**DOSE:** 20 MG/KG

**SEX:** Male

**DISP:** Natural Death

**DAY ON TEST:** 656

**HISTO:** 9900181

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 182

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 709

**DOSE:** 20 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9900182

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* 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 Cortex	Subcapsular	Hyperplasia	Mild
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Adenoma	
		Hyperplasia	Moderate
[ Adenoma TGLS = 1-9 ]			
* Kidney		Metaplasia	Osseous, Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
		Vacuolization Cytoplasmic	Minimal
Note: TGL#4-10-NCL: Liver focus, documented at necropsy, not demonstrated histologically.			
[ Hepatocellular Adenoma TGLS = 3-10 ]			
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Mild
Mesentery	Fat	Necrosis	Marked
[ Necrosis TGLS = 2-10 ]			
* Preputial Gland	Duct	Ectasia	Mild
		Infiltration Cellular	Mononuclear CI, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 182

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 709

**DOSE:** 20 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9900182

**ORGAN AND ACCOUNTABLE SITE STATUS**

\* Salivary Glands  
\* Stomach, Forestomach

Epithelium

Infiltration Cellular  
Hyperkeratosis  
Hyperplasia  
Inflammation  
Squamous Cell Carcinoma  
Squamous Cell Papilloma

Mononuclear CI, Minimal  
Diffuse, Mild  
Focal, Mild  
Chronic Active, Focal, Mild

[ Squamous Cell Carcinoma TGLS = 5-11 ]

[ Squamous Cell Papilloma TGLS = 5-11 ]

PRIMARY CAUSE OF DEATH - Stomach, Forestomach Squamous Cell Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Harderian Gland Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 183

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 715

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900183

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

* Lymph Node, Mesenteric	* Mammary Gland
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**OBSERVATIONS**

Eye		Atrophy	Marked
	Lens	Cataract	Mild
	Cornea	Inflammation	Chronic Active, Mild
		Synechia	Mild
[ Atrophy TGLS = 1-10 ]			
Harderian Gland		Carcinoma	
[ Carcinoma TGLS = 2-9 ]			
* Kidney		Mineralization	Minimal
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
[ Hepatocellular Adenoma TGLS = 4-11 ]			
[ Hepatocellular Carcinoma TGLS = 3-5 ]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Preputial Gland		Infiltration Cellular	Mononuclear Cl, Minimal
* Prostate		Infiltration Cellular	Mononuclear Cl, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear Cl, Minimal
* Stomach, Forestomach		Hyperkeratosis	Diffuse, Mild
		Squamous Cell Papilloma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 183

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 715

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900183

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Squamous Cell Papilloma TGLS = 5-12 ]

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PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

CONTRIBUTORY CAUSE OF DEATH

- Harderian Gland Carcinoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 184

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 726

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900184

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex Harderian Gland [ Carcinoma TGLS = 1-9 ]	Subcapsular	Hyperplasia Carcinoma	Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Forestomach		Squamous Cell Carcinoma Squamous Cell Papilloma	
[ Squamous Cell Carcinoma TGLS = 2-10 ]			
[ Squamous Cell Papilloma TGLS = 2-10 ]			

PRIMARY CAUSE OF DEATH - Harderian Gland Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Stomach;Forestomach Squamous Cell Papilloma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 185

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 505

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900185

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
Harderian Gland	Bilateral	Adenoma	
[ Adenoma TGLS = 1-9 ]			
* Liver		Hepatocellular Adenoma	
[ Hepatocellular Adenoma TGLS = 2-4 ]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Moderate
* Preputial Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 3-10 ]			

PRIMARY CAUSE OF DEATH - Harderian Gland Bilateral Adenoma

CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocellular Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 186

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900186

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
[ Adenoma TGLS = 1-9 ]			
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Hemangiosarcoma	Multiple
		Hepatocellular Carcinoma	
[ Hemangiosarcoma TGLS = 3,4,5,6,7-10+12 ]			
[ Hepatocellular Carcinoma TGLS = 2-11 ]			
* Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Minimal
[ Alveolar/Bronchiolar Carcinoma TGLS = 8-10 ]			
* Lymph Node, Mesenteric		Ectasia	Mild
* Preputial Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Prostate		Infiltration Cellular	Mononuclear CI, Mild
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Hyperkeratosis	Focal, Minimal
	Epithelium	Hyperplasia	Focal, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 186

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900186

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 187

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 337

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900187

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Stomach, Forestomach		Hyperkeratosis	Diffuse, Minimal
	Epithelium	Hyperplasia	Focal, Mild
[ Hyperplasia TGLS = 1-10 ]			

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 188

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900188

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* 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 Cortex Harderian Gland [ Adenoma TGLS = 1-9 ]	Subcapsular	Hyperplasia Adenoma	Minimal
* Kidney		Mineralization Nephropathy	Minimal Minimal
* Lung Note: TGL#3-11-NCL: Lung nodule, documented at necropsy, not demonstrated histologically. [ Alveolar/Bronchiolar Adenoma TGLS = 4-12 ]		Alveolar/Bronchiolar Adenoma	
* Preputial Gland [ Ectasia TGLS = 2-8 ]	Duct	Ectasia	Moderate
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Forestomach [ Squamous Cell Papilloma TGLS = 5-10 ]		Squamous Cell Papilloma	Multiple

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 189

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 114

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900189

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

Harderian GI

Note: Only one Harderian gland available for histologic examination.

* Lung		Inflammation	Suppurative, Mild
* Thymus	Thymocyte	Necrosis	Moderate

**PRIMARY CAUSE OF DEATH**

- Lung Inflammation

Animal Note: Probable dosing accident.

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 190

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 274

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900190

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Salivary Glands	Infiltration Cellular	Mononuclear CI, Minimal
* Skin		

Note: Skin/mammary gland section is on slide #06 instead of slide #08.

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 191

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 502

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900191

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
Harderian Gland	* Heart	* Intestine Large, Cecum	* 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	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
* Intestine Large, Colon		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 3-10 ]			
* Liver		Lymphoma Malignant	
		Vacuolization Cytoplasmic	Minimal
* Lung		Lymphoma Malignant	
Lymph Node	Mediastinal	Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 2-10 ]			
* Preputial Gland	Duct	Ectasia	Moderate
		Infiltration Cellular	Mononuclear CI, Minimal
[ Ectasia TGLS = 1-8 ]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Hyperkeratosis	Focal, Mild
	Epithelium	Hyperplasia	Focal, Mild
		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 4-5 ]			
* Thymus		Atrophy	Marked

**PRIMARY CAUSE OF DEATH** - Intestine Large, Colon Lymphoma Malignant

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 191

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 502

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900191

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 192

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900192

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* 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**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland	Bilateral	Adenoma	
* Intestine Small, Ileum		Hemangioma	
[ Hemangioma TGLS = 3-12 ]			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[ Hepatocellular Adenoma TGLS = 2,6-4+10 ]		Vacuolization Cytoplasmic	Moderate
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
Note: Alv Bronch adenoma also present on slide #03.			
[ Alveolar/Bronchiolar Adenoma TGLS = 4,5-10+11 ]			
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Preputial Gland	Duct	Ectasia	Mild
[ Ectasia TGLS = 1-8 ]			
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Forestomach		Hyperkeratosis	Focal, Mild
	Epithelium	Hyperplasia	Focal, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 192

**TRT#:** 7

**DOSE:** 20 MG/KG

**SEX:** Male

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 731

**HISTO:** 9900192

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Inflammation  
Squamous Cell Papilloma  
Ulcer

Chronic Active, Focal, Minimal  
Multiple  
Mild

[ Squamous Cell Papilloma TGLS = 7-13 ]

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 193

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900193

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Seminal Vesicle	* Skin	* Spleen	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
* Bone		Osteosarcoma	
[ Osteosarcoma TGLS = 2-10 ]			
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland	Bilateral	Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
* Lymph Node, Mesenteric		Angiectasis	Moderate
		Hematopoietic Cell Proliferation	Mild
* Preputial Gland	Duct	Ectasia	Mild
[ Ectasia TGLS = 1-8 ]			
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	Multiple
[ Squamous Cell Papilloma TGLS = 3-11 ]			
* Stomach, Glandular	Glands	Ectasia	Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 193

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900193

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 194

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900194

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Seminal Vesicle	* Skin
* Spleen	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
		[ Adenoma TGLS = 1-9 ]	
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
		Vacuolization Cytoplasmic	Moderate
		[ Clear Cell Focus TGLS = 3,4-4+10 ]	
		[ Hepatocellular Adenoma TGLS = 2-5 ]	
* Lung		Alveolar/Bronchiolar Adenoma	
		[ Alveolar/Bronchiolar Adenoma TGLS = 5-3 ]	
* Prostate		Metaplasia	Mucous, Moderate
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
		[ Squamous Cell Papilloma TGLS = 6-5 ]	
* Stomach, Glandular	Glands	Ectasia	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 194

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900194

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 50215-03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acrylonitrile

CAS Number: 107-13-1

Date Report Requested: 10/20/2014

Time Report Requested: 04:13:30

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 195

TRT#: 7

SEX: Male

DAY ON TEST: 569

DOSE: 20 MG/KG

DISP: Natural Death

HISTO: 9900195

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

\* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Preputial Gland	Duct	Ectasia	Mild
		Infiltration Cellular	Mononuclear CI, Minimal
[ Ectasia TGLS = 1-8 ]			
* Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 2-10 ]			

PRIMARY CAUSE OF DEATH

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 196

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 113

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900196

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* 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**

\* Mammary Gland

PRIMARY CAUSE OF DEATH

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 197

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 525

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900197

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

\* Mammary Gland

**INSUFFICIENT TISSUE**

\* Lymph Node, Mandibular

**OBSERVATIONS**

* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Adenoma	
[ Adenoma TGLS = 1-9 ]			
* Kidney	Cortex	Cyst	Mild
* Liver		Hepatocellular Adenoma	Multiple
[ Hepatocellular Adenoma TGLS = 4,5-4+5 ]		Vacuolization Cytoplasmic	Minimal
* Lymph Node, Mesenteric		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
Mesentery	Fat	Necrosis	Marked
[ Necrosis TGLS = 3-10 ]	Fat	Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
* Preputial Gland	Duct	Ectasia	Mild
[ Ectasia TGLS = 2-8 ]		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Squamous Cell Carcinoma	
[ Squamous Cell Carcinoma TGLS = 6-10 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 197

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 525

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900197

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Thymus

Atrophy

Mild

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PRIMARY CAUSE OF DEATH

- Stomach, Forestomach Squamous Cell Carcinoma

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 198

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900198

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Epididymis		Infiltration Cellular	Mononuclear CI, Minimal
Eye	Cornea	Inflammation	Chronic Active, Mild
[ Inflammation TGLS = 1-10 ]			
Harderian Gland		Adenoma	
[ Adenoma TGLS = 2-9 ]			
* Intestine Small, Ileum		Hemangiosarcoma	
[ Hemangiosarcoma TGLS = 4-11 ]			
* Kidney		Nephropathy	Minimal
* Liver		Mixed Cell Focus	
* Lung		Alveolar/Bronchiolar Adenoma	
* Parathyroid Gland		Cyst	Minimal
* Preputial Gland	Duct	Ectasia	Moderate
[ Ectasia TGLS = 3-8 ]			
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 5-11 ]			

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 199

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 494

**DOSE:** 20 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9900199

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymsus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
Harderian Gland		Adenoma	
[ Adenoma TGLS = 1-9 ]			
* Kidney		Mineralization	Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Preputial Gland	Duct	Ectasia	Moderate
[ Ectasia TGLS = 2-8 ]			
* Prostate		Infiltration Cellular	Mononuclear CI, Minimal
Tongue		Squamous Cell Carcinoma	
[ Squamous Cell Carcinoma TGLS = 3-10 ]			

**PRIMARY CAUSE OF DEATH** - Tongue Squamous Cell Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 200

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 113

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900200

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* 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**

\* Mammary Gland

**OBSERVATIONS**

\* Adren Cortex

Note: Only one adrenal gland available for histologic examination.

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 201

**TRT#:** 2  
**DOSE:** 0 MG/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 729  
**HISTO:** 9900201

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Skin	* Stomach, Forestomach
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Liver		Angiectasis	Mild
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
[ Angiectasis TGLS = 1-10 ]			
[ Hepatocellular Adenoma TGLS = 1-10 ]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Marked
* Ovary		Cyst	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hyperplasia	Lymphoid, Minimal
* Stomach, Glandular		Hyperplasia	Focal, Marked
		Inflammation	Chronic Active, Moderate
		Mineralization	Minimal
* Thymus		Hyperplasia	Lymphoid, Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 202

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 708

**DOSE:** 0 MG/KG

**DISP:** Natural Death

**HISTO:** 9900202

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Gallbladder	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Pituitary Gland	* Salivary Glands	* Spleen
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Clitoral Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Note: Metastatic nodule also present in left kidney present on slide #04.			
[ Alveolar/Bronchiolar Carcinoma TGLS = 4-10 ]			
* Liver		Clear Cell Focus	
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Minimal
[ Clear Cell Focus TGLS = 2-4 ]			
* Lung		Alveolar/Bronchiolar Carcinoma	
		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
	Alveolus	Infiltration Cellular	Histiocyte, Marked
[ Alveolar/Bronchiolar Carcinoma TGLS = 3-11 ]			
* Lym Node Mand			
Note: TGL#1-2: Enlarged mandibular lymph node, documented at necropsy, is focal nodule of metastatic alv-bronch. carcinoma in subcutaneous tissue.			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
* Ovary		Atrophy	Moderate
Note: Only one ovary available for histologic examination.			
* Skin	Subcut Tiss	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 202	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 708
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Natural Death	<b>HISTO:</b> 9900202

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Alveolar/Bronchiolar Carcinoma TGLS = 1-2 ]			
* Stomach, Forestomach		Hyperkeratosis	Diffuse, Mild
	Epithelium	Hyperplasia	Focal, Mild
* Thymus		Atrophy	Moderate

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<b>PRIMARY CAUSE OF DEATH</b>	- Lung	Alveolar/Bronchiolar Carcinoma	
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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 203

**TRT#:** 2  
**DOSE:** 0 MG/KG

**SEX:** Female  
**DISP:** Moribund Sacrifice

**DAY ON TEST:** 562  
**HISTO:** 9900203

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Gallbladder	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex		Hematopoietic Cell Proliferation	Mild
	Subcapsular	Hyperplasia	Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
* Liver		Hematopoietic Cell Proliferation	Mild
Lymph Node			
Note: MEDIASTINAL LYMPH NODE - NORMAL			
* Ovary		Atrophy	Moderate
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
[ Hematopoietic Cell Proliferation TGLS = 2-4 ]			
* Thymus		Atrophy	Mild
Zymbal's Gland		Carcinoma	
[ Carcinoma TGLS = 1-10 ]			

**PRIMARY CAUSE OF DEATH**

- Zymbal's Gland Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 204

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900204

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Pancreas		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 1-7 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 205

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900205

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Parathyroid Gland	* Pituitary Gland
* Skin	* Stomach, Forestomach	* Thymus	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
[ Adenoma TGLS = 1-9 ]			
* Kidney	Medulla	Cyst	Mild
* Liver		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
[ Hepatocellular Carcinoma TGLS = 2-10 ]		Vacuolization Cytoplasmic	Minimal
[ Mixed Cell Focus TGLS = 3-4 ]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Minimal
* Stomach, Glandular		Mineralization	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 206

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900206

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Skin
* Spleen	* Stomach, Forestomach	* Thymus	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Hyperplasia	Moderate
		Infiltration Cellular	Mononuclear CI, Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Minimal
[ Hepatocellular Adenoma TGLS = 1,2-5+10 ]			
Lymph Node			
Note: MEDIASTINAL LYMPH NODE - NORMAL			
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Glandular	Glands	Ectasia	Minimal
* Thyroid Gland	Follicular Cel	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 207

**TRT#:** 2  
**DOSE:** 0 MG/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 729  
**HISTO:** 9900207

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Blood Vessel	* 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
* 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 Cortex	Subcapsular	Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Clitoral Gland		Inflammation	Chronic Active, Marked
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
[ Hepatocellular Adenoma TGLS = 2-4 ]			
Lymph Node			
Note: MEDIASTINAL LYMPH NODE - NORMAL			
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[ Hyperplasia TGLS = 1-7 ]			

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 208

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 338

**DOSE:** 0 MG/KG

**DISP:** Natural Death

**HISTO:** 9900208

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
Harderian Gland		Adenoma	
* Liver		Vacuolization Cytoplasmic	Mild
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Ovary		Cyst	Moderate
[ Cyst TGLS = 1-7 ]			
* Thymus	Thymocyte	Necrosis	Moderate

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 209

**TRT#:** 2  
**DOSE:** 0 MG/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 731  
**HISTO:** 9900209

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Stomach, Forestomach	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Clitoral GI			
Note: Only one clitoral gland available for histologic examination.			
Harderian Gland		Hyperplasia	Marked
		Infiltration Cellular	Mononuclear CI, Minimal
* Liver		Inflammation	Chronic Active, Minimal
		Lymphoma Malignant	
Lymph Node	Renal	Lymphoma Malignant	
Note: LYMPHOMA MALIGNANT			
[ Lymphoma Malignant TGLS = 2-10 ]			
Mesentery		Lymphoma Malignant	
* Ovary		Cyst	Mild
		Cystadenoma	
* Pancreas		Lymphoma Malignant	
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 1-4 ]			
* Stomach, Glandular	Glands	Ectasia	Minimal
		Lymphoma Malignant	

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 210

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900210

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	Skeletal Muscle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland	Bilateral	Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hemangiosarcoma	
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Pigmentation	Minimal
[ Eosinophilic Focus TGLS = 5-12 ]			
[ Hepatocellular Adenoma TGLS = 3-5 ]			
[ Mixed Cell Focus TGLS = 4-11 ]			
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
Mesentery	Fat	Necrosis	Marked
[ Necrosis TGLS = 2-10 ]			
* Ovary		Cystadenoma	
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 210

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900210

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Hyperplasia TGLS = 1-7 ]

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 211

**TRT#:** 2  
**DOSE:** 0 MG/KG

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:** 638  
**HISTO:** 9900211

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Stomach, Forestomach	* Thyroid Gland	* Trachea

**OBSERVATIONS**

* Adrenal Cortex		Histiocytic Sarcoma	
	Subcapsular	Hyperplasia	Mild
* Heart		Mineralization	Mild
* Kidney		Histiocytic Sarcoma	
* Liver		Histiocytic Sarcoma	
[ Histiocytic Sarcoma TGLS = 2-4+5 ]			
* Lung		Histiocytic Sarcoma	
Lymph Node	Mediastinal	Histiocytic Sarcoma	
	Pancreatic	Histiocytic Sarcoma	
[ Histiocytic Sarcoma TGLS = 1-10 ]			
* Lymph Node, Mandibular		Histiocytic Sarcoma	
* Lymph Node, Mesenteric		Histiocytic Sarcoma	
[ Histiocytic Sarcoma TGLS = 5-5 ]			
* Ovary		Histiocytic Sarcoma	
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
Skeletal Muscle		Histiocytic Sarcoma	
* Skin	Subcut Tiss	Histiocytic Sarcoma	
* Spleen		Histiocytic Sarcoma	
[ Histiocytic Sarcoma TGLS = 4-4 ]			
* Stomach, Glandular		Histiocytic Sarcoma	
* Thymus		Atrophy	Marked
* Urinary Bladder		Histiocytic Sarcoma	
* Uterus		Histiocytic Sarcoma	

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 211

**TRT#:** 2  
**DOSE:** 0 MG/KG

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:** 638  
**HISTO:** 9900211

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Histiocytic Sarcoma TGLS = 3-7 ]

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**PRIMARY CAUSE OF DEATH**      - Liver    Histiocytic Sarcoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 212

**TRT#:** 2  
**DOSE:** 0 MG/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 730  
**HISTO:** 9900212

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Skin	* Stomach, Forestomach	* Thymus	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
[ Hepatocellular Adenoma TGLS = 4-5 ]			
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
Mesentery		Hemangiosarcoma	
[ Hemangiosarcoma TGLS = 1-10 ]			
* Ovary		Cystadenoma	
[ Cystadenoma TGLS = 2-7 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
[ Hematopoietic Cell Proliferation TGLS = 3-4 ]			
* Stomach, Glandular	Glands	Ectasia	Minimal
* Thyroid Gland	Follicle	Cyst	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 213

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900213

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Adenoma	
		Hyperplasia	Moderate
		Infiltration Cellular	Mononuclear CI, Minimal
		Inflammation	Chronic Active, Minimal
* Liver			
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hyperplasia	Lymphoid, Minimal
* Thyroid Gland	Follicle	Cyst	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 1-7 ]			

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 214

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 659

**DOSE:** 0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9900214

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Spleen	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

**MISSING**

Harderian Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Heart		Sarcoma	Metastatic (Skin)
* Kidney	Renal Tubule	Vacuolization Cytoplasmic	Marked
[ Vacuolization Cytoplasmic TGLS = 1-4 ]			
* Liver	Centrilobular	Degeneration	Mild
		Inflammation	Chronic Active, Mild
		Pigmentation	Mild
		Vacuolization Cytoplasmic	Mild
* Lung	Mediastinum	Sarcoma	Metastatic (Skin)
		Sarcoma	Metastatic (Skin)
Mesentery		Sarcoma	Metastatic (Skin)
* Ovary		Angiectasis	Moderate
		Cystadenoma	
Note: Cyst contains blood.			
[ Cystadenoma TGLS = 4-7 ]			
* Pancreas	Acinus	Atrophy	Mild
* Salivary Glands		Sarcoma	Metastatic (Skin)
[ Sarcoma TGLS = 2-11 ]			
Skeletal Muscle		Sarcoma	Metastatic (Skin)
[ Sarcoma TGLS = 3-10 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 214	<b>TRT#:</b> 2 <b>DOSE:</b> 0 MG/KG	<b>SEX:</b> Female <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 659 <b>HISTO:</b> 9900214
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Skin	Subcut Tiss	Sarcoma	
Note: TGL#2-11: Salivary gland mass, documented at necropsy, is cutaneous malignant Schwannoma which has metastasized to salivary glands, mandibular LN, & other organs. [ Sarcoma TGLS = 2-11 ]			
* Stom Gland			
Note: The gastric epithelium contains a metazoan parasite.			
* Stomach, Forestomach		Inflammation Ulcer	Chronic Active, Multifocal, Mild Multifocal, Mild
[ Inflammation TGLS = 5-12 ] [ Ulcer TGLS = 5-12 ]			
* Thymus		Atrophy	Moderate

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PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Sarcoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 215

**TRT#:** 2  
**DOSE:** 0 MG/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 730  
**HISTO:** 9900215

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Clitoral GI			
Note: Only one clitoral gland available for histologic examination.			
Harderian Gland		Infiltration Cellular	Mononuclear CI, Mild
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
[ Hepatocellular Carcinoma TGLS = 2-10 ]			
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Lymph Node, Mesenteric		Inflammation	Chronic Active, Mild
* Ovary		Cystadenoma	
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 1-7 ]			

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 216

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900216

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Hyperplasia	Mild
		Infiltration Cellular	Mononuclear CI, Minimal
* Liver		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
	[ Hepatocellular Adenoma TGLS = 1-10 ]		
* Lung		Alveolar/Bronchiolar Adenoma	
* Spleen		Hyperplasia	Lymphoid, Minimal
* Thyroid Gland	Follicle	Cyst	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 217

**TRT#:** 2  
**DOSE:** 0 MG/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 730  
**HISTO:** 9900217

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* 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			

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Inflammation	Chronic Active, Minimal
* Liver		Clear Cell Focus	
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Mild
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 218

**TRT#:** 2  
**DOSE:** 0 MG/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 729  
**HISTO:** 9900218

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Ovary		Cyst	Moderate
[ Cyst TGLS = 2-7 ]			
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Skin	Subcut Tiss	Fibrosis	Moderate
* Spleen		Hyperplasia	Lymphoid, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 1-7 ]			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 219

**TRT#:** 2  
**DOSE:** 0 MG/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 730  
**HISTO:** 9900219

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* 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			

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Liver		Clear Cell Focus	
		Inflammation	Chronic Active, Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
[ Alveolar/Bronchiolar Adenoma TGLS = 1-10 ]			
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Ovary		Cystadenoma	
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Stom Forestom			
Note: One section of forestomach is on slide #04.			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 220	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9900220

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Brain		Lymphoma Malignant	
* Clitoral Gland		Inflammation	Chronic Active, Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Mild
* Kidney		Lymphoma Malignant	
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Lymphoma Malignant	
		Pigmentation	Minimal
[ Eosinophilic Focus TGLS = 3-10 ]			
[ Hepatocellular Adenoma TGLS = 2,3-4+10 ]			
* Lung		Lymphoma Malignant	
Lymph Node	Mediastinal	Lymphoma Malignant	
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Ovary		Cyst	Mild
[ Cyst TGLS = 1-7 ]			
* Pancreas		Lymphoma Malignant	
* Salivary Glands		Lymphoma Malignant	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Lymphoma Malignant	
* Thymus		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 220

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900220

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 221

**TRT#:** 2  
**DOSE:** 0 MG/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 729  
**HISTO:** 9900221

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Thymus
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
[ Hepatocellular Adenoma TGLS = 1-4 ]			
* Ovary		Cyst	Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hyperplasia	Lymphoid, Moderate
* Stomach, Glandular	Glands	Ectasia	Minimal
* Thyroid Gland	Follicle	Cyst	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 222

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 653

**DOSE:** 0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9900222

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Thyroid Gland	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Infarct	Moderate
Note: TGL#6-4-NCL: Other than minimal nephropathy, Lt kidney is within normal limits histologically. Increase in size probably compensatory due to small right kidney. [ Infarct TGLS = 5-4 ]			
* Liver		Inflammation	Chronic Active, Minimal
		Necrosis	Mild
* Lung	Alveolar Epith	Hyperplasia	Moderate
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
Mesentery	Fat	Necrosis	Marked
[ Necrosis TGLS = 2-10 ]			
* Ovary		Cyst	Minimal
* Skin	Subcut Tiss	Fibrosarcoma	
[ Fibrosarcoma TGLS = 1-10 ]			
* Spleen		Hematopoietic Cell Proliferation	Mild
[ Hematopoietic Cell Proliferation TGLS = 4-4 ]			
* Stomach, Glandular	Glands	Ectasia	Minimal
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 3-7 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 222

**TRT#:** 2  
**DOSE:** 0 MG/KG

**SEX:** Female  
**DISP:** Moribund Sacrifice

**DAY ON TEST:** 653  
**HISTO:** 9900222

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibrosarcoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 223

**TRT#:** 2  
**DOSE:** 0 MG/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 731  
**HISTO:** 9900223

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
		Hyperplasia	Mild
* Clitoral Gl			
Note: Only one clitoral gland available for histologic examination.			
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
* Lung	Bronchus	Adenoma	
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Ovary		Cyst	Marked
[ Cyst TGLS = 1-7 ]			
* Spleen		Hyperplasia	Lymphoid, Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 224

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900224

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Parathyroid Gland	* Pituitary Gland
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Skin	Subcut Tiss	Fibrosarcoma	
[ Fibrosarcoma TGLS = 1,2-10+11 ]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Minimal
* Thymus		Ectopic Parathyroid Gland	Minimal
* Thyroid Gland	Follicle	Cyst	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 3-7 ]			

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 225

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 708

**DOSE:** 0 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9900225

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	Lymph Node
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Liver		Clear Cell Focus	
		Mixed Cell Focus	
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Ovary		Cyst	Mild
* Pancreas	Acinus	Atrophy	Mild
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hyperplasia	Lymphoid, Moderate
* Uterus		Angiectasis	Moderate

[ Angiectasis TGLS = 1-7 ]

**PRIMARY CAUSE OF DEATH**

- Uterus Angiectasis

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 226

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900226

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
[ Adenoma TGLS = 3-9 ]			
* Liver		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
[ Hepatocellular Carcinoma TGLS = 2-10 ]			
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 1-7 ]			

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 50215-03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Test Compound: Acrylonitrile  
CAS Number: 107-13-1

Date Report Requested: 10/20/2014  
Time Report Requested: 04:13:30  
First Dose M/F: NA / NA  
Lab: BAT

ANIMAL ID: 227      TRT#: 2      SEX: Female      DAY ON TEST: 730  
DOSE: 0 MG/KG      DISP: Terminal Sacrifice      HISTO: 9900227

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Liver	Portal	Infiltration Cellular	Lymphocyte, Mild
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Marked
Note: TGL#2-10: Enlarged pancreatic lymph node, documented at necropsy, is necrotic, inflamed and fibrotic mesenteric fat nodule histologically.			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Moderate
Mesentery		Fibrosis	Moderate
	Fat	Inflammation	Chronic Active, Moderate
	Fat	Necrosis	Marked
[ Fibrosis TGLS = 2-10 ]			
[ Inflammation TGLS = 2-10 ]			
[ Necrosis TGLS = 2-10 ]			
* Pancreas		Fibrosis	Mild
* Spleen		Hyperplasia	Lymphoid, Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 1-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 228

**TRT#:** 2  
**DOSE:** 0 MG/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 729  
**HISTO:** 9900228

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Skin
* Spleen	* Stomach, Forestomach	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Carcinoma	
		Infiltration Cellular	Mononuclear CI, Minimal
[ Carcinoma TGLS = 2-9 ]			
* Liver		Inflammation	Chronic Active, Minimal
* Lung		Carcinoma	Metastatic (Harderian Gland)
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Ectasia	Marked
[ Ectasia TGLS = 1-10 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Glandular	Glands	Ectasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 229

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900229

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* 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 Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Mild
* Kidney		Metaplasia	Osseous, Mild
		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Mild
		Pigmentation	Minimal
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
Mesentery	Fat	Necrosis	Marked
[ Necrosis TGLS = 2-10 ]			
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 1-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 230

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900230

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Minimal
	Subcapsular	Hyperplasia	Mild
Harderian Gland		Hyperplasia	Moderate
		Infiltration Cellular	Mononuclear CI, Minimal
* Liver		Inflammation	Chronic Active, Minimal
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hyperplasia	Lymphoid, Mild
* Thyroid Gland	Follicle	Cyst	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

[ Hyperplasia TGLS = 1-7 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 231

**TRT#:** 2  
**DOSE:** 0 MG/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 730  
**HISTO:** 9900231

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland	Bilateral	Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
* Liver	Portal	Hepatocellular Adenoma	
		Infiltration Cellular	Lymphocyte, Mild
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Minimal
[ Hepatocellular Adenoma TGLS = 1-10 ]			
* Ovary		Cyst	Marked
[ Cyst TGLS = 2-7 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 232

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900232

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal 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	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Blood Vessel	Aorta	Mineralization	Mild
* Clitoral Gland		Infiltration Cellular	Mononuclear CI, Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Infarct	Mild
		Metaplasia	Osseous, Mild
		Mineralization	Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Lung		Mineralization	Mild
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Lymph Node, Mesenteric		Hematopoietic Cell Proliferation	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 233

**TRT#:** 2  
**DOSE:** 0 MG/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 729  
**HISTO:** 9900233

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Pituitary Gland
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
[ Adenoma TGLS = 1-9 ]			
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
[ Hepatocellular Adenoma TGLS = 2,3,4-5+4+10 ]			
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Ovary		Cystadenoma	
[ Cystadenoma TGLS = 5-7 ]			
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 234

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900234

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Skin	* Thymus	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Clitoral Gland		Inflammation	Chronic Active, Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Inflammation	Chronic Active, Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
[ Eosinophilic Focus TGLS = 4-12 ]			
[ Hepatocellular Carcinoma TGLS = 3-11 ]			
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
Mesentery	Fat	Necrosis	Marked
[ Necrosis TGLS = 1-10 ]			
* Ovary		Cyst	Mild
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Minimal
[ Hematopoietic Cell Proliferation TGLS = 2-4 ]			
* Stomach, Forestomach		Hyperkeratosis	Focal, Minimal
	Epithelium	Hyperplasia	Focal, Minimal
* Stomach, Glandular	Glands	Ectasia	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 234

**TRT#:** 2  
**DOSE:** 0 MG/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 729  
**HISTO:** 9900234

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Thyroid Gland

Follicular Cel

Adenoma

\* Uterus

Endometrium

Hyperplasia

Cystic, Mild

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 235

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900235

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thyroid Gland
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
[ Adenoma TGLS = 3-9 ]			
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
		Pigmentation	Minimal
[ Eosinophilic Focus TGLS = 1-10 ]			
[ Hepatocellular Adenoma TGLS = 2-4 ]			
Lymph Node			
Note: TGL#5-6: Enlarged mediastinal lymph node, documented at necropsy, is enlarged thymus due to malignant lymphoma histologically.			
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 4-5 ]			
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Spleen		Lymphoma Malignant	
* Stomach, Glandular	Glands	Ectasia	Minimal
* Thymus		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 5-6 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 235

**TRT#:** 2  
**DOSE:** 0 MG/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 729  
**HISTO:** 9900235

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Uterus	Endometrium	Hyperplasia	Cystic, Marked
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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 236

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900236

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Skin	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Hepatocellular Carcinoma	
[ Hepatocellular Carcinoma TGLS = 1-10 ]			
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Squamous Cell Papilloma	Multiple
[ Squamous Cell Papilloma TGLS = 2-11 ]			
* Stomach, Glandular	Glands	Ectasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 237

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900237

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Gallbladder	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

\* Lymph Node, Mandibular

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow		Myelofibrosis	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
	[ Hepatocellular Adenoma TGLS = 2,3-5+10 ]		
* Lung		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
	[ Squamous Cell Papilloma TGLS = 4-11 ]		
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[ Hyperplasia TGLS = 1-7 ]		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 238

**TRT#:** 2  
**DOSE:** 0 MG/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 730  
**HISTO:** 9900238

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Mineralization	Minimal
* Liver		Eosinophilic Focus	
		Hemangiosarcoma	
		Inflammation	Chronic Active, Minimal
[ Eosinophilic Focus TGLS = 2-10 ]			
[ Hemangiosarcoma TGLS = 1-5 ]			
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 239	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9900239

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Stomach, Glandular	Glands	Ectasia	Minimal
* Uterus	Lymphatic	Angiectasis	Marked

Note: TGL#1-7: Could also be a lymphangioma, but this terminology is not in the current NTP lexicon.

[ Angiectasis TGLS = 1-7 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 240

**TRT#:** 2  
**DOSE:** 0 MG/KG

**SEX:** Female  
**DISP:** Moribund Sacrifice

**DAY ON TEST:** 704  
**HISTO:** 9900240

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Parathyroid Gland		Cyst	Mild
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
		Inflammation	Suppurative, Mild

[ Hyperplasia TGLS = 1-7 ]  
[ Inflammation TGLS = 1-7 ]

**PRIMARY CAUSE OF DEATH**

- Uterus Inflammation

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 241	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9900241

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* 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		

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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Liver		Inflammation	Chronic Active, Minimal
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Ovary		Atrophy	Moderate
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 242

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900242

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Int Sm Duoden			
Note: Duodenal section is located on slide #04.			
Note: Duodenum is on slide #04.			
* Liver		Eosinophilic Focus	Multiple
		Hepatocellular Adenoma	Chronic Active, Minimal
		Inflammation	
[ Eosinophilic Focus TGLS = 2,4-5+10 ]			
[ Hepatocellular Adenoma TGLS = 3,4-4+10 ]			
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Pancreas		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hyperplasia	Lymphoid, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 1-7 ]			

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 243

**TRT#:** 2  
**DOSE:** 0 MG/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 729  
**HISTO:** 9900243

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Stomach, Forestomach	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Pituitary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
		Pigmentation	Minimal
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Mammary GI			
Note: TGL#1-8: Dark discoloration involving mammary gland, documented at necropsy, is subcutaneous hemangiosarcoma histologically.			
* Ovary		Atrophy	Mild
Note: Only one ovary available for histologic examination.			
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Skin	Subcut Tiss	Hemangiosarcoma	
[ Hemangiosarcoma TGLS = 1-8 ]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Mild
* Stomach, Glandular	Glands	Ectasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 243

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900243

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 244

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900244

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
[ Alveolar/Bronchiolar Adenoma TGLS = 2-10 ]			
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 3-6 ]			
* Spleen		Hyperplasia	Lymphoid, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 1-7 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 245

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900245

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Pituitary Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Liver		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
[ Eosinophilic Focus TGLS = 2-5 ]			
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hyperplasia	Lymphoid, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 1-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 246

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 701

**DOSE:** 0 MG/KG

**DISP:** Natural Death

**HISTO:** 9900246

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Clitoral Gland	* 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	* 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
* Urinary Bladder			

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Brain		Meningioma Malignant	
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Pituitary Gland		Meningioma Malignant	Metastatic (Brain)
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

**PRIMARY CAUSE OF DEATH** - Brain Meningioma Malignant

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 247

**TRT#:** 2  
**DOSE:** 0 MG/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 730  
**HISTO:** 9900247

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Salivary Glands
* Skin	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Lymphoma Malignant	
		Adenoma	
		Infiltration Cellular	Mononuclear CI, Mild
* Kidney		Lymphoma Malignant	
* Liver		Inflammation	Chronic Active, Minimal
		Lymphoma Malignant	
* Lung	Alveolar Epith	Hyperplasia	Marked
	Mediastinum	Lymphoma Malignant	
		Lymphoma Malignant	
[ Hyperplasia TGLS = 1-10 ]			
Lymph Node	Mediastinal	Lymphoma Malignant	
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
Mesentery	Fat	Lymphoma Malignant	
* Ovary		Cystadenoma	
* Pancreas		Lymphoma Malignant	
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Lymphoma Malignant	
* Stomach, Glandular		Lymphoma Malignant	
* Thymus		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 247

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900247

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Hyperplasia TGLS = 2-7 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 248

**TRT#:** 2  
**DOSE:** 0 MG/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 731  
**HISTO:** 9900248

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Ovary		Cyst	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hyperplasia	Lymphoid, Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

[ Hyperplasia TGLS = 1-7 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 249

**TRT#:** 2  
**DOSE:** 0 MG/KG

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:** 673  
**HISTO:** 9900249

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Liver		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Minimal
[ Hepatocellular Carcinoma TGLS = 1-10 ]			
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild

**PRIMARY CAUSE OF DEATH**

- Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 250

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 677

**DOSE:** 0 MG/KG

**DISP:** Natural Death

**HISTO:** 9900250

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolus	Erythrophagocytosis	Moderate
	[ Alveolar/Bronchiolar Carcinoma TGLS = 2-10 ]	Infiltration Cellular	Histiocyte, Moderate
* Ovary		Atrophy	Marked
Note: Only one ovary available for histologic examination.			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[ Hyperplasia TGLS = 1-7 ]		

**PRIMARY CAUSE OF DEATH**

- Lung Alveolar/Bronchiolar Carcinoma

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 251	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 424
	<b>DOSE:</b> 2.5 MG/KG	<b>DISP:</b> Natural Death	<b>HISTO:</b> 9900251

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

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**MISSING**

\* Pituitary Gland

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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Lung		Thrombosis	Moderate
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal

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**PRIMARY CAUSE OF DEATH** - Lung Thrombosis

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 252

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 653

**DOSE:** 2.5 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9900252

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Skin	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

**MISSING**

\* Clitoral Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Liver		Inflammation	Chronic Active, Moderate
		Pigmentation	Minimal
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 1-6 ]			
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hyperplasia	Lymphoid, Mild
* Stomach, Forestomach		Hyperkeratosis	Focal, Mild
	Epithelium	Hyperplasia	Focal, Marked
		Inflammation	Chronic Active, Focal, Mild
[ Hyperplasia TGLS = 2-10 ]			

**PRIMARY CAUSE OF DEATH**

- Pituitary Gland Pars Distalis Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 253

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900253

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Mild
* Liver		Angiectasis	Moderate
		Inflammation	Chronic Active, Mild
		Mixed Cell Focus	
[ Angiectasis TGLS = 3-4 ]			
* Lung		Inflammation	Chronic Active, Mild
* Lym Node Mand			
Note: Mandibular lymph node also on slide #04.			
Mesentery	Fat	Necrosis	Marked
[ Necrosis TGLS = 1-10 ]			
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 2-7 ]			

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 254

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900254

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	Lymph Node	* 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 Cortex	Subcapsular	Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Mild
[ Eosinophilic Focus TGLS = 1-10 ]			
[ Mixed Cell Focus TGLS = 2-11 ]			
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Ovary		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 255

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900255

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Skin	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Liver		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Pigmentation	Minimal
[ Eosinophilic Focus TGLS = 2-11 ]			
[ Mixed Cell Focus TGLS = 2-4 ]			
* Lung	Alveolar Epith	Hyperplasia	Mild
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Hyperplasia	Mild
	Pars Distalis	Pigmentation	Mild
[ Angiectasis TGLS = 1-6 ]			
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 3-10 ]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 256

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900256

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	Lymph Node
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Liver		Angiectasis	Mild
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
[ Angiectasis TGLS = 2,4-3+4 ] [ Eosinophilic Focus TGLS = 2-3 ] [ Hepatocellular Adenoma TGLS = 1,3-5+4 ]			
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
Mesentery	Fat	Necrosis	Marked
* Ovary		Cyst	Mild
* Spleen		Hyperplasia	Lymphoid, Mild
* Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 6-5 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 257

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900257

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Stomach, Forestomach	* Thymus
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Liver		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
		Pigmentation	Minimal
		Vacuolization Cytoplasmic	Minimal
[ Eosinophilic Focus TGLS = 2-4 ]			
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Ovary		Cystadenoma	
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Skin	Subcut Tiss	Fibrosis	Moderate
	Subcut Tiss	Inflammation	Chronic Active, Mild
	Subcut Tiss	Sarcoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Glandular	Glands	Ectasia	Minimal
* Thyroid Gland		Infiltration Cellular	Lymphocyte, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 1-7 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 258

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 354

**DOSE:** 2.5 MG/KG

**DISP:** Natural Death

**HISTO:** 9900258

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Heart		Lymphoma Malignant	
* Kidney		Lymphoma Malignant	
* Liver		Clear Cell Focus	
		Lymphoma Malignant	
* Lung		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 2-4 ]			
* Thymus		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 1-10 ]			

**PRIMARY CAUSE OF DEATH**

- Spleen Lymphoma Malignant

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 259

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900259

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Mild
* Liver		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Pigmentation	Minimal
		Vacuolization Cytoplasmic	Minimal
[ Hepatocellular Adenoma TGLS = 1,2-4+5 ]			
[ Mixed Cell Focus TGLS = 3-10 ]			
* Lung	Mediastinum	Inflammation	Chronic Active, Minimal
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 4-6 ]			
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 260

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 721

**DOSE:** 2.5 MG/KG

**DISP:** Natural Death

**HISTO:** 9900260

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

\* Clitoral Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-6 ]			
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 1-7 ]			

**PRIMARY CAUSE OF DEATH**

- Pituitary Gland Pars Distalis Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 261

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900261

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Minimal
[ Hepatocellular Adenoma TGLS = 2-4 ]			
[ Hepatocellular Carcinoma TGLS = 3-10 ]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
[ Hepatocellular Carcinoma TGLS = 5-10 ]			
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
Mesentery	Fat	Necrosis	Marked
[ Necrosis TGLS = 4-10 ]			
* Ovary		Atrophy	Marked
		Cyst	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 1-7 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 261

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900261

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 262

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900262

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Pituitary Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex		Hematopoietic Cell Proliferation	Mild
	Subcapsular	Hyperplasia	Mild
		Metaplasia	Osseous, Mild
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear Cl, Minimal
* Kidney		Infarct	Mild
* Liver		Hematopoietic Cell Proliferation	Minimal
		Vacuolization Cytoplasmic	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 1-10 ]			
* Salivary Glands		Infiltration Cellular	Mononuclear Cl, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Mild
* Thyroid Gland	Follicle	Cyst	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 262

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900262

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 263

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900263

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea

**MISSING**

\* Urinary Bladder

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
Note: Adrenal cortical cyst present. Unable to code using current NTP lexicon.			
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Liver		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[ Mixed Cell Focus TGLS = 1-5 ]		
* Ovary		Cystadenoma	
Note: Only one ovary available for histologic examination.			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus		Angiectasis	Mild
Note: Uterine angiectasis is on slide #07.			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 264

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900264

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Cyst	Mild
		Hyperplasia	Minimal
Note: Adrenal cortical cyst present. Unable to code using curmet NTP lexicon.			
* Clitoral Gland		Pigmentation	Mild
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
[ Adenoma TGLS = 1-9 ]			
* Liver		Inflammation	Chronic Active, Minimal
* Lung			
Note: TGL#3-NST: Lung nodule, documented at necropsy, not identified at trim.			
* Ovary		Cyst	Mild
* Pancreas		Infiltration Cellular	Mononuclear CI, Mild
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hyperplasia	Lymphoid, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
		Leiomyoma	
[ Hyperplasia TGLS = 2-7 ]			
[ Leiomyoma TGLS = 4-7 ]			

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 265

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900265

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
[ Adenoma TGLS = 1-9 ]			
* Liver		Inflammation	Chronic Active, Minimal
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
[ Hyperplasia TGLS = 5-2 ]			
* Ovary		Cyst	Mild
[ Cyst TGLS = 4-7 ]			
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Skin	Subcut Tiss	Fibrosarcoma	
[ Fibrosarcoma TGLS = 2-10 ]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 3-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 266

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900266

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Clitoral GI			
Note: Only one clitoral gland available for histologic examination.			
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
		Pigmentation	Minimal
		Vacuolization Cytoplasmic	Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
* Ovary		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hyperplasia	Lymphoid, Mild
* Thymus		Thymoma Benign	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 267

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 468

**DOSE:** 2.5 MG/KG

**DISP:** Natural Death

**HISTO:** 9900267

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Liver		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Mild
[ Vacuolization Cytoplasmic TGLS = 2-4+5 ]			
Mesentery	Fat	Necrosis	Marked
[ Necrosis TGLS = 1-10 ]			
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
* Thymus		Atrophy	Moderate
		Ectopic Parathyroid Gland	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 268

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900268

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Skin	* Stomach, Forestomach	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Clitoral GI			
Note: Only one clitoral gland available for histologic examination.			
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Mineralization	Minimal
* Liver		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Minimal
		[ Hepatocellular Carcinoma TGLS = 1-10 ]	
		[ Mixed Cell Focus TGLS = 2-11 ]	
* Ovary		Cyst	Mild
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Glandular	Glands	Ectasia	Minimal
* Uterus		Angiectasis	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Mild

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 269

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 640

**DOSE:** 2.5 MG/KG

**DISP:** Natural Death

**HISTO:** 9900269

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Liver		Hepatocellular Adenoma	
[ Hepatocellular Adenoma TGLS = 3-5 ]			
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Mammary GI			
Note: TGL#1-10: Mammary gland mass, documented at necropsy, is subcutaneous fibrous histiocytoma histologically.			
* Skin	Subcut Tiss	Fibrosis	Moderate
	Subcut Tiss	Fibrous Histiocytoma	
	Subcut Tiss	Hemorrhage	Moderate
	Subcut Tiss	Inflammation	Chronic Active, Mild
[ Fibrous Histiocytoma TGLS = 1-10 ]			
* Spleen		Hematopoietic Cell Proliferation	Marked

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibrous Histiocytoma

CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocellular Adenoma

Animal Note: TGLs#2-4 & 4-4+5: Renal & hepatic discoloration, documented at necropsy; no hist ologic correlation - discoloration was due to autolysis.

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 270

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900270

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Pigmentation	Minimal
		[ Hepatocellular Adenoma TGLS = 3-11 ]	
		[ Mixed Cell Focus TGLS = 1,2-5+10 ]	
Lymph Node			
		Note: MEDIASTINAL LYMPH NODE NORMAL	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hyperplasia	Lymphoid, Minimal
* Thyroid Gland	Follicular Cel	Adenoma	
	Follicle	Cyst	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 271

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900271

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Pituitary Gland	* Thymus	* Thyroid Gland
* Trachea			

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
		Lymphoma Malignant	
* Bone Marrow		Lymphoma Malignant	
* Clitoral Gland		Lymphoma Malignant	
Harderian Gland		Lymphoma Malignant	
* Intestine Large, Rectum		Lymphoma Malignant	
* Kidney		Lymphoma Malignant	
* Liver		Inflammation	Chronic Active, Minimal
		Lymphoma Malignant	
		Pigmentation	Minimal
* Lung		Lymphoma Malignant	
Lymph Node	Inguinal	Lymphoma Malignant	
* Lymph Node, Mandibular		Lymphoma Malignant	
Mesentery		Lymphoma Malignant	
* Ovary		Lymphoma Malignant	
* Salivary Glands		Lymphoma Malignant	
Skeletal Muscle		Lymphoma Malignant	
* Skin	Subcut Tiss	Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
		[ Lymphoma Malignant TGLS = 1-4 ]	
* Stomach, Forestomach		Lymphoma Malignant	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 271	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 2.5 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9900271

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Stomach, Glandular		Lymphoma Malignant	
* Urinary Bladder		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
		Lymphoma Malignant	

[ Hyperplasia TGLS = 2-7 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 272

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900272

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Kidney
* Lung	Lymph Node	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Intestine Small, Jejunum	Peyers Patch	Hyperplasia	Lymphoid, Moderate
		Inflammation	Suppurative, Moderate
* Liver		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
[ Mixed Cell Focus TGLS = 1-5 ]			
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Lymph Node, Mesenteric		Hyperplasia	Plasma Cell, Marked
		Infiltration Cellular	Polymorphnuclr, Moderate
* Ovary		Cyst	Mild
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hyperplasia	Lymphoid, Minimal
* Thyroid Gland	Follicle	Cyst	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:30  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 273

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900273

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
		Pigmentation	Minimal
[ Hepatocellular Adenoma TGLS = 1-5 ]			
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Ovary		Cyst	Mild
* Stomach, Glandular	Glands	Ectasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 274      **TRT#:** 4      **SEX:** Female      **DAY ON TEST:** 731  
**DOSE:** 2.5 MG/KG      **DISP:** Terminal Sacrifice      **HISTO:** 9900274

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Gallbladder	Harderian Gland
* 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**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow		Lymphoma Malignant	
* Liver		Inflammation	Chronic Active, Minimal
		Lymphoma Malignant	
		Mixed Cell Focus	
[ Mixed Cell Focus TGLS = 4-4 ]			
* Lung		Lymphoma Malignant	
Lymph Node	Lumbar	Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 2-11 ]			
[ Lymphoma Malignant TGLS = 3-12 ]			
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
Mesentery	Fat	Necrosis	Marked
[ Necrosis TGLS = 1-10 ]			
* Ovary		Cyst	Mild
		Lymphoma Malignant	
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 274

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900274

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 275      **TRT#:** 4      **SEX:** Female      **DAY ON TEST:** 724  
**DOSE:** 2.5 MG/KG      **DISP:** Moribund Sacrifice      **HISTO:** 9900275

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Gallbladder	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Pituitary Gland	* Stomach, Forestomach	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

* Lymph Node, Mandibular	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
* Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	
	[ Hepatocellular Adenoma TGLS = 4-4 ]		
* Lung		Basal Cell Carcinoma	Metastatic (Skin)
* Ovary		Atrophy	Marked
	Note: Only one ovary available for histologic examination.		
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
	Note: TGL#1-10: Salivary gland mass, documented at necropsy, is cutaneous basal cell carcinoma histologically.		
* Skin		Basal Cell Carcinoma	
	[ Basal Cell Carcinoma TGLS = 1-10 ]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Hyperplasia	Lymphoid, Moderate
	[ Hematopoietic Cell Proliferation TGLS = 2-4 ]		
	[ Hyperplasia TGLS = 2-4 ]		
* Stomach, Glandular	Glands	Ectasia	Minimal
* Uterus		Polyp Stromal	

**PRIMARY CAUSE OF DEATH**      - Skin    Basal Cell Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 275

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 724

**DOSE:** 2.5 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9900275

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Animal Note: TGL#3-3+4+5-NCL: Cause of hepatic discoloration, documented at necropsy, not apparent histologically.

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 276

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900276

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Liver		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
[ Hepatocellular Adenoma TGLS = 2-5 ]			
* Ovary		Cyst	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hyperplasia	Lymphoid, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 1-7 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 277

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 648

**DOSE:** 2.5 MG/KG

**DISP:** Natural Death

**HISTO:** 9900277

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Liver		Clear Cell Focus	
		Mixed Cell Focus	
		Pigmentation	Minimal
<p>Note: TGL#2-4_NCL: Liver focus, documented at necropsy, not demonstrated histologically.          [ Mixed Cell Focus TGLS = 1,2-5+10 ]</p>			
Lymph Node			
<p>Note: MEDIASTINAL LYMPH NODE NORMAL</p>			
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 278

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 696

**DOSE:** 2.5 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9900278

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Gallbladder	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Pancreas	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex		Hematopoietic Cell Proliferation	Minimal
	Subcapsular	Hyperplasia	Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
* Kidney		Infarct	Mild
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
	[ Basophilic Focus TGLS = 2-4 ]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	[ Alveolar/Bronchiolar Carcinoma TGLS = 3-12 ]		
Lymph Node	Mediastinal	Hematopoietic Cell Proliferation	Moderate
	Renal	Hematopoietic Cell Proliferation	Moderate
	Mediastinal	Hyperplasia	Lymphoid, Moderate
	Renal	Hyperplasia	Lymphoid, Marked
	[ Hematopoietic Cell Proliferation TGLS = 5-10 ]		
	[ Hematopoietic Cell Proliferation TGLS = 6-6 ]		
	[ Hyperplasia TGLS = 5-10 ]		
	[ Hyperplasia TGLS = 6-6 ]		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 278	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 696
	<b>DOSE:</b> 2.5 MG/KG	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 9900278

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Lymph Node, Mandibular		Hematopoietic Cell Proliferation Hyperplasia	Mild Lymphoid, Mild
* Lymph Node, Mesenteric		Hematopoietic Cell Proliferation Hyperplasia	Moderate Lymphoid, Moderate
* Ovary		Cyst	Mild
* Skin	Subcut Tiss	Fibrosarcoma	
	[ Fibrosarcoma TGLS = 1-11 ]		
* Spleen		Hematopoietic Cell Proliferation	Mild
	[ Hematopoietic Cell Proliferation TGLS = 4-4 ]		
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

---

PRIMARY CAUSE OF DEATH	- Lung Alveolar/Bronchiolar Carcinoma
CONTRIBUTORY CAUSE OF DEATH	- Skin Subcut Tiss Fibrosarcoma

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 279

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 694

**DOSE:** 2.5 MG/KG

**DISP:** Natural Death

**HISTO:** 9900279

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Pituitary Gland	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

* Lymph Node, Mesenteric	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Liver		Necrosis	Mild
* Lung	Mediastinum	Fibrosarcoma	Metastatic (Skin)
		Inflammation	Suppurative, Marked
* Mammary GI			
Note: TGL#1,2-10+11: Mammary gland masses, documented at necropsy, are cutaneous fibrosarcomas histologically.			
Mesentery		Fibrosarcoma	Metastatic (Skin)
	Fat	Necrosis	Marked
	[ Necrosis TGLS = 5,6,7-10+11+12 ]		
* Ovary		Atrophy	Marked
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
Skeletal Muscle		Inflammation	Chronic Active, Mild
* Skin	Subcut Tiss	Fibrosarcoma	Multiple
	[ Fibrosarcoma TGLS = 1,2-10+11 ]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 3-4 ]		
* Stomach, Forestomach		Fibrosarcoma	Metastatic (Skin)
* Stomach, Glandular		Fibrosarcoma	Metastatic (Skin)
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 279

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 694

**DOSE:** 2.5 MG/KG

**DISP:** Natural Death

**HISTO:** 9900279

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Hyperplasia TGLS = 4-7 ]

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PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibrosarcoma

CONTRIBUTORY CAUSE OF DEATH

- Stomach;Forestomach Fibrosarcoma Skin;Stomach;Glandular Fibrosarcoma Skin

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 50215-03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acrylonitrile

CAS Number: 107-13-1

Date Report Requested: 10/20/2014

Time Report Requested: 04:13:31

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 280

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 2.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 9900280

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* 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
* Pancreas	* Parathyroid Gland	* Skin	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
		Hyperplasia	Mild
* Bone Marrow		Myelofibrosis	Mild
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Metaplasia	Osseous, Mild
* Liver		Basophilic Focus	
		Hemangiosarcoma	
		Inflammation	Chronic Active, Minimal
		Pigmentation	Minimal
[ Basophilic Focus TGLS = 1-10 ]			
[ Hemangiosarcoma TGLS = 1-10 ]			
* Ovary		Luteoma	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
[ Hematopoietic Cell Proliferation TGLS = 2-4 ]			
* Stomach, Glandular	Glands	Ectasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 281

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900281

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
* Clitoral Gland		Inflammation	Chronic Active, Mild
Eye	Cornea	Atrophy	Marked
[ Atrophy TGLS = 6-11 ]		Inflammation	Chronic Active, Mild
Harderian Gland		Adenoma	
[ Adenoma TGLS = 7-9 ]		Infiltration Cellular	Mononuclear CI, Minimal
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
		Pigmentation	Minimal
Note: TGL#3-13-NCL: Liver focus, documented at necropsy, not demonstrated histologically.			
			[ Hepatocellular Adenoma TGLS = 5-14 ]
			[ Hepatocellular Carcinoma TGLS = 4-15 ]
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Marked
[ Hyperplasia TGLS = 1-10 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin	Epidermis	Hyperplasia	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 281	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 2.5 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9900281

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Hyperplasia TGLS = 8-12 ]	Inflammation	Chronic Active, Moderate
[ Inflammation TGLS = 8-12 ]	Ulcer	Marked
[ Ulcer TGLS = 8-12 ]		
* Spleen	Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 2-4 ]		
* Stomach, Glandular	Glands	Ectasia
* Thymus		Atrophy
* Uterus	Endometrium	Hyperplasia

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 282

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900282

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Liver		Hepatocellular Adenoma	
[ Hepatocellular Adenoma TGLS = 1,2-10+4 ]			
* Ovary		Cyst	Mild
Note: Only one ovary available for histologic examination.			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Thyroid Gland	Follicle	Cyst	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 3-7 ]			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 283

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 633

**DOSE:** 2.5 MG/KG

**DISP:** Natural Death

**HISTO:** 9900283

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* 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	* Mammary Gland
* Nose	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Note: Only one adrenal gland available for histologic examination.			
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Heart	Valve	Inflammation	Suppurative, Marked
Note: Bacterial colonies are present on the heart valves involved with the suppurative inflammation. (Vegatative valvular endocarditis).			
* Kidney	Cortex	Cyst	Marked
		Inflammation	Chronic Active, Moderate
Note: Bacterial colonies in medulla of right kidney. [ Cyst TGLS = 3-4+11 ]			
* Liver		Inflammation	Chronic Active, Marked
		Mineralization	Mild
[ Inflammation TGLS = 4-3+4+5 ]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Thrombosis	Marked
[ Alveolar/Bronchiolar Adenoma TGLS = 1-10 ]			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Marked
* Lymph Node, Mesenteric		Inflammation	Chronic Active, Marked
Mesentery	Fat	Inflammation	Chronic Active, Marked
* Ovary		Atrophy	Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 283

**TRT#:** 4  
**DOSE:** 2.5 MG/KG

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:** 633  
**HISTO:** 9900283

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Pancreas		Inflammation	Chronic Active, Marked
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 2-4 ]		
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

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PRIMARY CAUSE OF DEATH - Heart Valve Inflammation

CONTRIBUTORY CAUSE OF DEATH - Lung Thrombosis

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 284

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 673

**DOSE:** 2.5 MG/KG

**DISP:** Natural Death

**HISTO:** 9900284

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	Lymph Node
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adren Cortex			
Note: Only one adrenal gland available for histologic examination.			
Blood Vessel	Aorta	Mineralization	Moderate
* Clitoral GI			
Note: Only one clitoral gland available for histologic examination.			
* Lung		Inflammation	Chronic Active, Mild
		Mineralization	Mild
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Ovary			
Note: Only one ovary available for histologic examination.			
Skeletal Muscle	Arteriole	Mineralization	Marked
* Thymus		Atrophy	Marked

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

Animal Note: The tissues from this animal were quite autolytic.

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 285

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900285

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* 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	* Skin	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Clitoral GI			
Note: Only one clitoral gland available for histologic examination.			
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
[ Basophilic Focus TGLS = 2-5 ]			
* Lung		Inflammation	Chronic Active, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Glandular	Glands	Ectasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 1-7 ]			

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 286

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900286

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Liver		Inflammation	Chronic Active, Minimal
		Pigmentation	Minimal
		Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

[ Hyperplasia TGLS = 1-7 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 287      **TRT#:** 4      **SEX:** Female      **DAY ON TEST:** 688  
**DOSE:** 2.5 MG/KG      **DISP:** Natural Death      **HISTO:** 9900287

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	Larynx	Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
* Liver		Hepatocellular Adenoma	
		Mixed Cell Focus	
		[ Hepatocellular Adenoma TGLS = 1-11 ]	
* Lung	Alveolus	Alveolar/Bronchiolar Carcinoma	
		Infiltration Cellular	Histiocyte, Moderate
		[ Alveolar/Bronchiolar Carcinoma TGLS = 2-10 ]	
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Ovary		Cyst	Mild
* Spleen		Hematopoietic Cell Proliferation	Marked
* Stomach, Forestomach	Epithelium	Hyperplasia	Multifocal, Mild
		Inflammation	Chronic Active, Multifocal, Mild
		Squamous Cell Papilloma	
		Ulcer	Multifocal, Mild
		[ Hyperplasia TGLS = 3-12 ]	
		[ Squamous Cell Papilloma TGLS = 3-12 ]	
		[ Ulcer TGLS = 3-12 ]	
* Thymus		Atrophy	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 287

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 688

**DOSE:** 2.5 MG/KG

**DISP:** Natural Death

**HISTO:** 9900287

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
PRIMARY CAUSE OF DEATH	- Lung Alveolar/Bronchiolar Carcinoma		

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

<b>ANIMAL ID:</b> 288	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 2.5 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9900288

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Hyperplasia	Marked
* Kidney	Renal Tubule	Adenoma	
	Renal Tubule	Hyperplasia	Mild
	[ Adenoma TGLS = 1-10 ]		
* Liver		Inflammation	Chronic Active, Minimal
* Lung	Alveolus	Alveolar/Bronchiolar Carcinoma	
	[ Alveolar/Bronchiolar Carcinoma TGLS = 2-11 ]	Infiltration Cellular	Histiocyte, Mild
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Lymph Node, Mesenteric		Inflammation	Chronic Active, Moderate
* Ovary		Cyst	Mild
		Cystadenoma	
* Spleen		Hyperplasia	Lymphoid, Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 289

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 647

**DOSE:** 2.5 MG/KG

**DISP:** Natural Death

**HISTO:** 9900289

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	Lymph Node
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Lung	Mediastinum	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
	Alveolus	Alveolar/Bronchiolar Carcinoma	Histiocyte, Mild
	[ Alveolar/Bronchiolar Carcinoma TGLS = 2-10 ]	Infiltration Cellular	
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stom Forestom			
Note: TGL#3-11- NCL: Forestomach nodule, documented at trim, not demonstrated histologically.			
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

**PRIMARY CAUSE OF DEATH**

- Lung Alveolar/Bronchiolar Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 290      **TRT#:** 4      **SEX:** Female      **DAY ON TEST:** 729  
**DOSE:** 2.5 MG/KG      **DISP:** Terminal Sacrifice      **HISTO:** 9900290

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
Harderian Gland		Hyperplasia	Moderate
		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Mild
[ Hepatocellular Adenoma TGLS = 1-4 ]			
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Ovary		Cyst	Mild
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Minimal
* Stomach, Glandular	Glands	Ectasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 291

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 665

**DOSE:** 2.5 MG/KG

**DISP:** Natural Death

**HISTO:** 9900291

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* 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	* Pancreas	* Pituitary Gland
* Skin	* Spleen	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
Harderian Gland		Infiltration Cellular	Mononuclear CI, Mild
* Kidney		Infarct	Marked
		Mineralization	Mild
* Liver		Necrosis	Moderate
		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
		[ Squamous Cell Carcinoma TGLS = 1-4; 3-5+10; 4-10 ]	
* Lung		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
		[ Squamous Cell Carcinoma TGLS = 2-3 ]	
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Ovary		Atrophy	Marked
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Mild
* Stomach, Forestomach		Squamous Cell Carcinoma	
		[ Squamous Cell Carcinoma TGLS = 5-11 ]	
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

**PRIMARY CAUSE OF DEATH**

- Stomach, Forestomach Squamous Cell Carcinoma

**CONTRIBUTORY CAUSE OF DEATH**

- Liver Squamous Cell Carcinoma Stomach;Forestomach;Lung Squamous Cell Carcinoma Stomach;Forestomach

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 292

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900292

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Skin	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Adenoma	
* Kidney	Cortex	Cyst	Minimal
* Liver		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Pigmentation	Minimal
		Vacuolization Cytoplasmic	Minimal
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
Mesentery	Fat	Necrosis	Marked
	[ Necrosis TGLS = 2-11 ]		
* Ovary		Cyst	Mild
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Squamous Cell Papilloma	
	[ Squamous Cell Papilloma TGLS = 3-12 ]		
* Uterus	Endometrium	Cyst	Moderate
	[ Cyst TGLS = 1-10 ]	Hyperplasia	Cystic, Mild

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 293

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 683

**DOSE:** 2.5 MG/KG

**DISP:** Natural Death

**HISTO:** 9900293

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Heart		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Kidney		Inflammation	Chronic Active, Mild
Note: Bacterial colonies in kidneys.			
* Liver		Hepatocellular Adenoma	Multiple
		Necrosis	Mild
		Pigmentation	Mild
Note: Autolytic condition of liver sections makes diagnosis of nodules and mass documented at necropsy very difficult. [ Hepatocellular Adenoma TGLS = 3,4,5-4+10+5 ]			
* Lung		Alveolar/Bronchiolar Carcinoma	
		Inflammation	Suppurative, Marked
Note: TGL#2-NST: Lung lobes did not appear to be adhered at trim. [ Alveolar/Bronchiolar Carcinoma TGLS = 1-11 ] [ Inflammation TGLS = 1-11 ]			
* Ovary		Angiectasis	Marked
* Spleen		Hematopoietic Cell Proliferation	Marked
Note: Spleen very autolytic. [ Hematopoietic Cell Proliferation TGLS = 6-4 ]			
* Thymus		Atrophy	Marked
* Uterus		Inflammation	Suppurative, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 293

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 683

**DOSE:** 2.5 MG/KG

**DISP:** Natural Death

**HISTO:** 9900293

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma  
CONTRIBUTORY CAUSE OF DEATH - Lung Inflammation

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Animal Note: Tissues for this animal were moderately autolyzed.

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**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 294      **TRT#:** 4      **SEX:** Female      **DAY ON TEST:** 729  
**DOSE:** 2.5 MG/KG      **DISP:** Terminal Sacrifice      **HISTO:** 9900294

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mandibular
* Mammary Gland	Mesentery	* Nose	Oral Mucosa
* Pancreas	* Pituitary Gland	* Skin	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Liver		Clear Cell Focus	
		Inflammation	Chronic Active, Minimal
		Pigmentation	Minimal
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Lymph Node, Mesenteric		Angiectasis	Marked
[ Angiectasis TGLS = 2-10 ]			
Mesentery			
Note: TGL#2-10: Mesenteric fat mass, documented at necropsy, is markedly angioectatic mesenteric lymph node.			
* Ovary		Cystadenoma	
		Pigmentation	Mild
* Parathyroid Gland		Cyst	Mild
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hyperplasia	Lymphoid, Minimal
* Stomach, Glandular	Glands	Ectasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 1-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 295

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900295

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Hyperplasia	Marked
		Infiltration Cellular	Mononuclear CI, Mild
* Liver		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Pigmentation	Minimal
[ Eosinophilic Focus TGLS = 3,4,6-10+4+5 ]			
[ Mixed Cell Focus TGLS = 2-10 ]			
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Ovary		Cyst	Marked
[ Cyst TGLS = 1-7 ]			
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Skin	Subcut Tiss	Infiltration Cellular	Mast Cell, Mild
* Spleen		Hyperplasia	Lymphoid, Moderate
* Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 5-11 ]			
* Stomach, Glandular	Glands	Ectasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 296

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900296

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* 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**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Adenoma	
* Liver		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic Active, Minimal
Note: TGL#2-10-NCL: Right posterior liver lobe mass, documented at necropsy, not seen at trim.			
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Ovary		Atrophy	Moderate
		Cyst	Mild
Note: Cystic cavity is filled with blood.			
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Mild
* Spleen		Hemangiosarcoma	
[ Hemangiosarcoma TGLS = 3-4 ]			
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 1-7 ]			

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 297

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 643

**DOSE:** 2.5 MG/KG

**DISP:** Natural Death

**HISTO:** 9900297

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* 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 Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Liver		Angiectasis	Mild
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 1-7 ]			

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 298

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900298

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Chronic Active, Minimal
		Inflammation	
[ Eosinophilic Focus TGLS = 3-10 ]			
[ Hepatocellular Adenoma TGLS = 3-10 ]			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
* Lymph Node, Mesenteric		Hemangiosarcoma	
* Ovary		Cyst	Marked
[ Cyst TGLS = 2-7 ]			
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Mild
* Spleen		Hyperplasia	Lymphoid, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 1-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 299

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 2.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900299

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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
* Skin	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Pigmentation	Minimal
		Vacuolization Cytoplasmic	Minimal
[ Eosinophilic Focus TGLS = 2-10 ]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Ovary		Cyst	Mild
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Mild
* Spleen		Hyperplasia	Lymphoid, Mild
* Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 3-11 ]			
* Stomach, Glandular	Glands	Ectasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[ Hyperplasia TGLS = 1-7 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 300      **TRT#:** 4      **SEX:** Female      **DAY ON TEST:** 563  
**DOSE:** 2.5 MG/KG      **DISP:** Natural Death      **HISTO:** 9900300

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Clitoral Gland
* Esophagus	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Mammary Gland	* Nose	* Pancreas	* Pituitary Gland
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia Lymphoma Malignant	Mild
Note: Only one adrenal gland available for histologic examination.			
* Bone Marrow		Lymphoma Malignant	
* Brain		Lymphoma Malignant	
Harderian Gland		Adenoma	
* Heart		Lymphoma Malignant	
* Islets, Pancreatic		Adenoma	
* Kidney		Lymphoma Malignant	
* Liver		Hyperplasia Lymphoma Malignant	Mild
[ Hyperplasia TGLS = 7-4 ]			
[ Lymphoma Malignant TGLS = 2-4+5 ]			
* Lung		Lymphoma Malignant	
Lymph Node	Inguinal	Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 6-10 ]			
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 5-5 ]			
* Ovary		Lymphoma Malignant	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 300	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 563
	<b>DOSE:</b> 2.5 MG/KG	<b>DISP:</b> Natural Death	<b>HISTO:</b> 9900300

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Oviduct		Lymphoma Malignant	
* Salivary Glands		Lymphoma Malignant	
* Skin	Subcut Tiss	Lymphoma Malignant	
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Lymphoma Malignant	
	[ Hematopoietic Cell Proliferation TGLS = 1-4 ]		
	[ Lymphoma Malignant TGLS = 1-4 ]		
* Thymus		Ectopic Parathyroid Gland	Minimal
* Urinary Bladder		Lymphoma Malignant	
* Uterus		Hemangioma	
	Endometrium	Hyperplasia	Cystic, Marked
		Lymphoma Malignant	
	[ Hemangioma TGLS = 4-7 ]		
	[ Hyperplasia TGLS = 3-7 ]		

---

**PRIMARY CAUSE OF DEATH** - Spleen Lymphoma Malignant

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 301

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900301

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* 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**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
Note: TGL#2-11-NCL: Liver foci, documented at trim, not demonstrated histologically. [ Hepatocellular Carcinoma TGLS = 1-10 ]			
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Ovary		Atrophy	Marked
		Cyst	Mild
Note: Cystic cavity is filled with blood.			
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 302

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 646

**DOSE:** 10 MG/KG

**DISP:** Natural Death

**HISTO:** 9900302

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	Skeletal Muscle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
* Clitoral GI			
Note: Only one clitoral gland available for histologic examination.			
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
[ Adenoma TGLS = 1-9 ]			
* Liver		Angiectasis	Mild
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Fibrosarcoma	Metastatic (Skin)
* Lung			
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
Mesentery	Fat	Necrosis	Marked
[ Necrosis TGLS = 3-11 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
Skel Muscle			
Note: TGL#4-10: Skeletal muscle mass, documented at necropsy, is subcutaneous fibrosarcoma histologically.			
* Skin	Subcut Tiss	Fibrosarcoma	
[ Fibrosarcoma TGLS = 4-10 ]			

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 302	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 646
	<b>DOSE:</b> 10 MG/KG	<b>DISP:</b> Natural Death	<b>HISTO:</b> 9900302

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Spleen [ Hematopoietic Cell Proliferation TGLS = 2-4 ]	Hematopoietic Cell Proliferation	Mild
* Uterus	Angiectasis	Moderate

---

PRIMARY CAUSE OF DEATH	- Skin Subcut Tiss Fibrosarcoma
CONTRIBUTORY CAUSE OF DEATH	- Lung Fibrosarcoma Skin

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 303

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900303

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
Harderian Gland		Hyperplasia	Mild
		Infiltration Cellular	Mononuclear CI, Minimal
* Liver		Inflammation	Chronic Active, Minimal
		Pigmentation	Minimal
* Lung		Inflammation	Chronic Active, Minimal
* Ovary		Atrophy	Marked
		Cyst	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Squamous Cell Papilloma	
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 304

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900304

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Parathyroid Gland	* Pituitary Gland	* Skin
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Liver		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Ovary		Atrophy	Marked
		Cyst	Mild
* Pancreas		Infiltration Cellular	Mononuclear CI, Mild
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Squamous Cell Papilloma	Multiple
[ Squamous Cell Papilloma TGLS = 2-10 ]			
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[ Hyperplasia TGLS = 1-7 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 305

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900305

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Parathyroid Gland	* Skin	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Adenoma	
		Carcinoma	
		Infiltration Cellular	Mononuclear CI, Mild
[ Carcinoma TGLS = 1-9 ]			
* Liver		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Mild
[ Hepatocellular Adenoma TGLS = 2-10 ]			
* Lung		Carcinoma	Metastatic (Harderian Gland)
* Ovary		Atrophy	Marked
		Cyst	Mild
* Pancreas		Infiltration Cellular	Mononuclear CI, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 3-10 ]			

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 306

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900306

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	Lymph Node	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Pituitary Gland	* Skin
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
* Intestine Large, Colon		Leiomyosarcoma	
[ Leiomyosarcoma TGLS = 4-10 ]			
* Liver		Angiectasis	Mild
		Clear Cell Focus	
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Pigmentation	Mild
[ Eosinophilic Focus TGLS = 3-12 ]			
[ Mixed Cell Focus TGLS = 3-12 ]			
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Lymph Node, Mesenteric		Ectasia	Mild
* Ovary		Atrophy	Marked
		Cyst	Mild
		Granulosa Cell Tumor Malignant	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 306

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900306

**ORGAN AND ACCOUNTABLE SITE STATUS**

[ Granulosa Cell Tumor Malignant TGLS = 2-7 ]

\* Salivary Glands

\* Spleen

\* Stomach, Forestomach

[ Squamous Cell Papilloma TGLS = 5-11 ]

\* Uterus

Endometrium

[ Hyperplasia TGLS = 1-7 ]

Infiltration Cellular

Hematopoietic Cell Proliferation

Hyperplasia

Squamous Cell Papilloma

Hyperplasia

Mononuclear CI, Minimal

Mild

Lymphoid, Moderate

Cystic, Marked

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 307

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900307

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Gallbladder

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
[ Adenoma TGLS = 5-9 ]			
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
		Pigmentation	Mild
		Vacuolization Cytoplasmic	Minimal
Note: TGL#2-4-NCL: Liver focus, documented at necropsy, not demonstrated histologically.			
[ Eosinophilic Focus TGLS = 3-11 ]			
[ Hepatocellular Carcinoma TGLS = 1-10 ]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Marked
[ Necrosis TGLS = 4-10 ]			
* Ovary		Atrophy	Marked
		Cyst	Moderate
* Pancreas		Infiltration Cellular	Mononuclear CI, Minimal
* Pituitary GI			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 307

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900307

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: TGL#6-6-NCL: Dark focus, documented at necropsy, not demonstrated histologically.

\* Salivary Glands

Infiltration Cellular

Mononuclear CI, Minimal

\* Spleen

Hematopoietic Cell Proliferation

Mild

\* Uterus

Endometrium

Hyperplasia

Lymphoid, Minimal

Hyperplasia

Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 308

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900308

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Clitoral GI			
Note: Only one clitoral gland available for histologic examination.			
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
[ Adenoma TGLS = 2-9 ]			
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
[ Hepatocellular Adenoma TGLS = 1-10 ]			
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Ovary		Atrophy	Marked
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hyperplasia	Lymphoid, Mild
* Stomach, Glandular	Glands	Ectasia	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 309

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 721

**DOSE:** 10 MG/KG

**DISP:** Natural Death

**HISTO:** 9900309

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Pituitary Gland
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

**MISSING**

* Lymph Node, Mandibular	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Liver		Angiectasis	Mild
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Pigmentation	Minimal
Note: Mixed cell focus also on slide #04. [ Angiectasis TGLS = 1-10 ]			
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Ovary		Atrophy	Marked
		Cyst	Mild
Note: One cyst is filled with blood. Note: Only one ovary available for histologic examination.			
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Forestomach		Hyperkeratosis	Diffuse, Mild
	Epithelium	Hyperplasia	Focal, Mild
		Inflammation	Chronic Active, Focal, Minimal
		Squamous Cell Papilloma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03

**Test Type:** CHRONIC

**Route:** GAVAGE

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acrylonitrile

**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 04:13:31

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

**Lab:** BAT

---

**ANIMAL ID:** 309

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 721

**DOSE:** 10 MG/KG

**DISP:** Natural Death

**HISTO:** 9900309

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Hyperplasia TGLS = 2-11 ]

[ Squamous Cell Papilloma TGLS = 2-11 ]

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**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 310

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900310

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

* Intestine Small, Duodenum	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland	Bilateral	Adenoma	
[ Adenoma TGLS = 1,2-9 ]			
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
		Lipoma	
		Lymphoma Malignant	
Note: TGL#4-5: Looks like a subcapsular lipoma histologically; however, this term is not in the current NTP lexicon under liver.			
[ Eosinophilic Focus TGLS = 7-4 ]			
[ Lipoma TGLS = 4-5 ]			
* Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Moderate
	Alveolus	Infiltration Cellular	Histiocyte, Mild
[ Alveolar/Bronchiolar Carcinoma TGLS = 5-10 ]			
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Ovary		Atrophy	Marked
		Cyst	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 310	<b>TRT#:</b> 6 <b>DOSE:</b> 10 MG/KG	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 730 <b>HISTO:</b> 9900310
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Spleen		Hyperplasia	Lymphoid, Moderate
* Stomach, Forestomach [ Squamous Cell Papilloma TGLS = 6-11 ]		Squamous Cell Papilloma	
* Uterus [ Hyperplasia TGLS = 3-10 ]	Endometrium	Hyperplasia	Cystic, Marked

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 311

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900311

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* 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		

**MISSING**

\* Lymph Node, Mandibular

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Adenoma	
		Hyperplasia	Mild
		Infiltration Cellular	Mononuclear CI, Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Minimal
[ Eosinophilic Focus TGLS = 4-10 ]			
[ Hepatocellular Adenoma TGLS = 3,4-5+10 ]			
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
Mesentery	Fat	Necrosis	Marked
[ Necrosis TGLS = 2-10 ]			
* Ovary		Atrophy	Marked
		Cystadenoma	
[ Cystadenoma TGLS = 1-7 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 311

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900311

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Uterus

Endometrium

Hyperplasia

Cystic, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 312

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900312

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Liver		Inflammation	Chronic Active, Minimal
		Pigmentation	Minimal
* Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[ Alveolar/Bronchiolar Carcinoma TGLS = 2-10 ]		
Mesentery	Fat	Necrosis	Marked
	[ Necrosis TGLS = 1-10 ]		
* Spleen		Hyperplasia	Lymphoid, Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
		[ Squamous Cell Papilloma TGLS = 3-11 ]	
* Stomach, Glandular	Glands	Ectasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 313

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900313

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Skin	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Mild
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Minimal
[ Hepatocellular Adenoma TGLS = 2-3+10 ]			
[ Mixed Cell Focus TGLS = 3-11 ]			
* Lung		Alveolar/Bronchiolar Carcinoma	
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
Mesentery	Fat	Necrosis	Marked
[ Necrosis TGLS = 1-10 ]			
* Ovary		Atrophy	Marked
		Cyst	Mild
		Granulosa Cell Tumor Benign	
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hyperplasia	Lymphoid, Minimal
* Stomach, Forestomach		Hyperkeratosis	Diffuse, Mild
	Epithelium	Hyperplasia	Focal, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 313

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900313

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Inflammation

Chronic Active, Focal, Moderate

Squamous Cell Papilloma

[ Squamous Cell Papilloma TGLS = 4-12 ]

\* Uterus

Endometrium

Hyperplasia

Cystic, Mild

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 314

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 715

**DOSE:** 10 MG/KG

**DISP:** Natural Death

**HISTO:** 9900314

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	Blood Vessel	* 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	* Mammary Gland
* Nose	* Pancreas	* Stomach, Forestomach	* Stomach, Glandular
* Urinary Bladder	* Uterus		

**MISSING**

* Clitoral Gland	* Esophagus	Harderian Gland	* Intestine Large, Rectum
* Lymph Node, Mandibular	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Thyroid Gland	* Trachea		

**OBSERVATIONS**

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
[ Pheochromocytoma Benign TGLS = 3-6 ]			
* Liver		Hepatocellular Carcinoma	
[ Hepatocellular Carcinoma TGLS = 2-5 ]			
* Lymph Node, Mesenteric		Hematopoietic Cell Proliferation	Marked
[ Hematopoietic Cell Proliferation TGLS = 5-5 ]			
* Ovary		Atrophy	Marked
* Skin	Subcut Tiss	Fibrosarcoma	
[ Fibrosarcoma TGLS = 1-10 ]			
* Spleen		Hematopoietic Cell Proliferation	Marked
[ Hematopoietic Cell Proliferation TGLS = 4-4 ]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Adrenal Medulla Bilateral Pheochromocytoma Benign; Skin Subcut Tiss Fibrosarcoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 315

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900315

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* 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	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
Harderian Gland		Carcinoma	
[ Carcinoma TGLS = 1-9 ]			
* Liver		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic Active, Minimal
* Lung		Carcinoma	Metastatic (Harderian Gland)
		Pigmentation	Mild
[ Carcinoma TGLS = 2-10 ]			
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Lymph Node, Mandibular		Carcinoma	Metastatic (Harderian Gland)
		Hyperplasia	Lymphoid, Marked
[ Carcinoma TGLS = 4-11 ]			
[ Hyperplasia TGLS = 3-11 ]			
* Ovary		Atrophy	Marked
		Cyst	Mild
Note: Only one ovary available for histologic examination.			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Moderate
* Stomach, Forestomach		Squamous Cell Papilloma	Multiple

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 315	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 10 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9900315

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Squamous Cell Papilloma TGLS = 5-12 ]

* Thyroid Gland	Follicle	Cyst	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 316

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 190

**DOSE:** 10 MG/KG

**DISP:** Natural Death

**HISTO:** 9900316

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Clitoral Gland
* Esophagus	* Gallbladder	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Bone Marrow		Lymphoma Malignant	
* Brain		Lymphoma Malignant	
* Heart		Lymphoma Malignant	
* Kidney		Lymphoma Malignant	
* Liver		Lymphoma Malignant	
* Lung		Lymphoma Malignant	
* Lymph Node, Mandibular		Lymphoma Malignant	
* Nose		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
* Thymus		Lymphoma Malignant	

[ Lymphoma Malignant TGLS = 2-10 ]

**PRIMARY CAUSE OF DEATH**

- Thymus Lymphoma Malignant

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 317

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 516

**DOSE:** 10 MG/KG

**DISP:** Natural Death

**HISTO:** 9900317

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Gallbladder	Harderian Gland
* Heart	* Intestine Large, Rectum	* Intestine Small, Ileum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Adrenal Cortex	Bilateral	Histiocytic Sarcoma	
[ Histiocytic Sarcoma TGLS = 2-6 ]			
* Bone Marrow		Histiocytic Sarcoma	
* Intestine Large, Cecum		Histiocytic Sarcoma	
* Intestine Large, Colon		Histiocytic Sarcoma	
* Intestine Small, Duodenum		Histiocytic Sarcoma	
* Intestine Small, Jejunum		Histiocytic Sarcoma	
* Kidney		Histiocytic Sarcoma	
* Liver		Histiocytic Sarcoma	
[ Histiocytic Sarcoma TGLS = 1-4+5+10 ]			
* Lung		Histiocytic Sarcoma	
* Lymph Node, Mesenteric		Histiocytic Sarcoma	
[ Histiocytic Sarcoma TGLS = 3-5 ]			
* Ovary		Cyst	Mild
* Spleen		Histiocytic Sarcoma	
* Stomach, Glandular		Histiocytic Sarcoma	
* Thymus		Histiocytic Sarcoma	

**PRIMARY CAUSE OF DEATH**

- Liver Histiocytic Sarcoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 318

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 639

**DOSE:** 10 MG/KG

**DISP:** Natural Death

**HISTO:** 9900318

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Eye	Retina	Atrophy	Marked
		Degeneration	Minimal
		Synechia	Marked
[ Atrophy TGLS = 2-11 ]			
[ Degeneration TGLS = 1-11 ]			
[ Synechia TGLS = 1-11 ]			
Harderian Gland	Bilateral	Adenoma	
[ Adenoma TGLS = 3-9 ]			
* Liver		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
[ Squamous Cell Carcinoma TGLS = 5-3+5 ]			
* Lung		Alveolar/Bronchiolar Adenoma	
[ Alveolar/Bronchiolar Adenoma TGLS = 4-10 ]			
* Ovary		Atrophy	Marked
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
* Stomach, Forestomach		Squamous Cell Carcinoma	
[ Squamous Cell Carcinoma TGLS = 6-12 ]			
* Thymus		Atrophy	Marked

**PRIMARY CAUSE OF DEATH** - Stomach, Forestomach Squamous Cell Carcinoma

**CONTRIBUTORY CAUSE OF DEATH** - Liver Squamous Cell Carcinoma Stomach;Forestomach

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 319      **TRT#:** 6      **SEX:** Female      **DAY ON TEST:** 731  
**DOSE:** 10 MG/KG      **DISP:** Terminal Sacrifice      **HISTO:** 9900319

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Mild
* Liver		Hemangiosarcoma	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Necrosis	Minimal
		Pigmentation	Mild
		Vacuolization Cytoplasmic	Minimal
[ Hemangiosarcoma TGLS = 1-3+10 ]			
Mesentery	Fat	Necrosis	Marked
[ Necrosis TGLS = 2-10 ]			
* Ovary		Atrophy	Marked
		Cyst	Mild
[ Cyst TGLS = 3-7 ]			
* Pancreas		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 4-10 ]			
* Thyroid Gland	Follicle	Cyst	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 319

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900319

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Uterus

Endometrium

Hyperplasia

Cystic, Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 320

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900320

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Salivary Glands	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Infiltration Cellular	Mononuclear Cl, Minimal
* Kidney	Cortex	Cyst	Mild
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Minimal
		[ Eosinophilic Focus TGLS = 4,5-11+12 ]	
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Carcinoma	
		[ Carcinoma TGLS = 1-2 ]	
* Ovary		Atrophy	Marked
* Saliv Glands			
		Note: TGL#1-2: Salivary gland mass, documented at necropsy, is mammary gland carcinoma histologically.	
* Stomach, Forestomach		Squamous Cell Papilloma	Multiple
		[ Squamous Cell Papilloma TGLS = 2,3-10 ]	
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 320

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900320

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 321

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900321

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
[ Adenoma TGLS = 1-9 ]			
* Liver		Angiectasis	Mild
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Minimal
[ Mixed Cell Focus TGLS = 3-5 ]			
Mesentery	Fat	Necrosis	Marked
[ Necrosis TGLS = 2-10 ]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 322      **TRT#:** 6      **SEX:** Female      **DAY ON TEST:** 731  
**DOSE:** 10 MG/KG      **DISP:** Terminal Sacrifice      **HISTO:** 9900322

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Parathyroid Gland
* Skin	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
Harderian Gland		Hyperplasia	Moderate
		Infiltration Cellular	Mononuclear CI, Mild
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
[ Hepatocellular Carcinoma TGLS = 1-10 ]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Lymph Node	Inguinal	Hyperplasia	Lymphoid, Mild
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Ovary		Atrophy	Marked
		Cyst	Marked
[ Cyst TGLS = 2-7 ]			
* Pancreas		Infiltration Cellular	Mononuclear CI, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 3-11 ]			
* Stomach, Glandular	Glands	Ectasia	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 322

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900322

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 323

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900323

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
Eye			
Note: TGL#1-9-NCL: Small right eye, documented at necropsy, not demonstrated histologically.			
Note: ONE EYE MISSING.			
Harderian Gland		Adenoma	
[ Adenoma TGLS = 2-9 ]			
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
[ Alveolar/Bronchiolar Adenoma TGLS = 5-11 ]			
Lymph Node	Lumbar	Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 3-10 ]			
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Ovary		Atrophy	Marked
		Cyst	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 6-6 ]			
* Spleen		Hyperplasia	Lymphoid, Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 323

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900323

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Hyperplasia TGLS = 4-7 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 324

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900324

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Thymus

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Mild
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
	[ Mixed Cell Focus TGLS = 1-5 ]		
* Ovary		Atrophy	Marked
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hyperplasia	Lymphoid, Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
	[ Squamous Cell Papilloma TGLS = 2-10 ]		
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 325

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900325

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Clitoral GI			
Note: Only one clitoral gland available for histologic examination.			
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Minimal
[ Hepatocellular Adenoma TGLS = 2,3-5+4 ]			
Lymph Node			
Note: TGL#4-6: Enlarged mediastinal lymph node, documented at trim, is enlarged thymus due to malignant lymphoma histologically.			
* Ovary		Atrophy	Marked
		Cyst	Marked
[ Cyst TGLS = 1-7 ]			
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hyperplasia	Lymphoid, Minimal
* Thymus		Atrophy	Moderate
		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 4-6 ]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 325

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900325

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 326

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900326

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Pituitary Gland	* Skin	* Spleen	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
[ Adenoma TGLS = 1-9 ]			
* Liver		Basophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Mixed Cell Focus	
Note: TGL#4-10-NCL: Liver nodule, documented at necropsy, not demonstrated histologically.			
[ Hepatocellular Carcinoma TGLS = 2-11 ]			
[ Mixed Cell Focus TGLS = 3-5 ]			
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Ovary		Atrophy	Marked
		Cyst	Mild
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 5-12 ]			
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 326

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900326

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Polyp Stromal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 327      **TRT#:** 6      **SEX:** Female      **DAY ON TEST:** 729  
**DOSE:** 10 MG/KG      **DISP:** Terminal Sacrifice      **HISTO:** 9900327

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
* Clitoral Gl			
Note: Only one clitoral gland available for histologic examination.			
Harderian Gland	Bilateral	Adenoma	
		Infiltration Cellular	Mononuclear Cl, Mild
* Kidney	Cortex	Cyst	Mild
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hematopoietic Cell Proliferation	Moderate
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Mild
[ Mixed Cell Focus TGLS = 4-4 ]			
* Lung	Mediastinum	Sarcoma	Metastatic (Skin)
		Sarcoma	Metastatic (Skin)
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Moderate
	Mediastinal	Liposarcoma	Metastatic (Skin)
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Marked
		Infiltration Cellular	Polymorphnuclr, Mild
[ Hyperplasia TGLS = 3-5 ]			
* Ovary		Atrophy	Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 327

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900327

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: Cystic cavity is filled with blood. Note: Only one ovary available for histologic examination.		Cyst	Mild
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Mild
* Skin [ Sarcoma TGLS = 1-10 ]	Subcut Tiss	Sarcoma	
* Spleen [ Hematopoietic Cell Proliferation TGLS = 2-4 ] [ Hyperplasia TGLS = 2-4 ]		Hematopoietic Cell Proliferation Hyperplasia	Moderate Lymphoid, Moderate
* Stomach, Forestomach		Erosion	Focal, Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 328	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 10 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9900328

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Skin	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

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**MISSING**

\* Parathyroid Gland

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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
* Liver		Hepatocellular Adenoma	
[ Hepatocellular Adenoma TGLS = 1-3+5 ]			
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Mild
* Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 2-10 ]			

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 329

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 716

**DOSE:** 10 MG/KG

**DISP:** Natural Death

**HISTO:** 9900329

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Skin
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Clitoral GI			
Note: Only one clitoral gland available for histologic examination.			
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Pigmentation	Minimal
	[ Hepatocellular Adenoma TGLS = 1-10 ]		
* Lung		Alveolar/Bronchiolar Adenoma	
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
* Ovary		Atrophy	Marked
		Cyst	Mild
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Squamous Cell Papilloma	
	[ Squamous Cell Papilloma TGLS = 2-10 ]		
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

**PRIMARY CAUSE OF DEATH** - Liver Hepatocellular Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 330

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900330

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Heart		Inflammation	Chronic Active, Minimal
		Thrombosis	Moderate
* Kidney		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 6-4 ]			
* Liver		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic Active, Mild
		Lymphoma Malignant	
		Mixed Cell Focus	
		Pigmentation	Minimal
[ Lymphoma Malignant TGLS = 4-13 ]			
[ Mixed Cell Focus TGLS = 5-4 ]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Lymphoma Malignant	
[ Alveolar/Bronchiolar Adenoma TGLS = 15-12 ]			
Lymph Node	Deep Cervical	Lymphoma Malignant	
	Lumbar	Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 11-16 ]			
[ Lymphoma Malignant TGLS = 14-11 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 330      **TRT#:** 6      **SEX:** Female      **DAY ON TEST:** 729  
**DOSE:** 10 MG/KG      **DISP:** Terminal Sacrifice      **HISTO:** 9900330

**ORGAN AND ACCOUNTABLE SITE STATUS**

[ Lymphoma Malignant TGLS = 10-6 ]			
[ Lymphoma Malignant TGLS = 13-10 ]			
* Lymph Node, Mandibular		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 12-2 ]			
* Lymph Node, Mesenteric		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 8-15 ]			
* Ovary		Atrophy	Marked
		Cyst	Mild
		Granulosa Cell Tumor Benign	
[ Cyst TGLS = 2-7 ]			
* Pancreas		Lymphoma Malignant	
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
[ Adenoma TGLS = 7-14 ]			
[ Angiectasis TGLS = 7-14 ]			
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Lymphoma Malignant	
[ Hematopoietic Cell Proliferation TGLS = 3-4 ]			
[ Lymphoma Malignant TGLS = 3-4 ]			
* Thymus		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 9-6 ]			
* Urinary Bladder		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Polyp Stromal	
[ Hyperplasia TGLS = 1-7 ]			
[ Polyp Stromal TGLS = 1-7 ]			

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 331

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900331

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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
* Skin	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Adenoma	
[ Adenoma TGLS = 1-9 ]			
* Liver		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Minimal
Note: TGL#4-11-NCL: Liver focus, documented at necropsy, not demonstrated histologically.			
* Lung	Alveolar Epith	Hyperplasia	Mild
Mesentery	Fat	Necrosis	Marked
[ Necrosis TGLS = 2-10 ]			
* Ovary		Atrophy	Marked
		Hemangioma	
[ Hemangioma TGLS = 3-7 ]			
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 5-12 ]			

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 332

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900332

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Lung	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Adenoma	
		Hyperplasia	Mild
		Infiltration Cellular	Mononuclear CI, Minimal
[ Adenoma TGLS = 1-9 ]			
* Islets, Pancreatic		Adenoma	
[ Adenoma TGLS = 3-10 ]			
* Liver		Angiectasis	Mild
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
[ Angiectasis TGLS = 2-11 ]			
[ Mixed Cell Focus TGLS = 2-11 ]			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Moderate
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Moderate
* Ovary		Angiectasis	Marked
		Atrophy	Marked
		Cyst	Mild
* Pancreas		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hyperplasia	Lymphoid, Mild
* Stomach, Forestomach		Squamous Cell Papilloma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 332

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900332

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Squamous Cell Papilloma TGLS = 4-10 ]

\* Thymus

Hyperplasia

Lymphoid, Moderate

\* Uterus

Endometrium

Hyperplasia

Cystic, Moderate

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 333

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900333

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Mild
* Liver		Angiectasis	Mild
		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Minimal
[ Hepatocellular Adenoma TGLS = 3-10 ]			
* Lung	Alveolar Epith	Hyperplasia	Mild
* Ovary		Angiectasis	Marked
		Atrophy	Marked
[ Angiectasis TGLS = 1-7 ]			
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Thyroid Gland	Follicle	Cyst	Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 334      **TRT#:** 6      **SEX:** Female      **DAY ON TEST:** 729  
**DOSE:** 10 MG/KG      **DISP:** Terminal Sacrifice      **HISTO:** 9900334

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Skin
* Spleen	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Mild
[ Basophilic Focus TGLS = 3-5 ]			
[ Eosinophilic Focus TGLS = 4-4 ]			
[ Hepatocellular Adenoma TGLS = 2,6-10 ]			
[ Mixed Cell Focus TGLS = 5-10 ]			
* Lung	Alveolus	Alveolar/Bronchiolar Carcinoma	
		Infiltration Cellular	Histiocyte, Mild
[ Alveolar/Bronchiolar Carcinoma TGLS = 1-3 ]			
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 334

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900334

**ORGAN AND ACCOUNTABLE SITE STATUS**

* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Mild
* Stomach, Glandular	Glands	Ectasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 335

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900335

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Skin	* Spleen	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland	Bilateral	Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
<p>Note: TGL#5-11-NCL: Liver foci, documented at trim, not demonstrated histologically.            [ Eosinophilic Focus TGLS = 2,4-10+3 ]            [ Hepatocellular Adenoma TGLS = 1,3-4+10 ]</p>			
* Ovary		Atrophy	Marked
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Glandular		Hyperplasia	Focal, Mild
		[ Hyperplasia TGLS = 6-5 ]	
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 336      **TRT#:** 6      **SEX:** Female      **DAY ON TEST:** 731  
**DOSE:** 10 MG/KG      **DISP:** Terminal Sacrifice      **HISTO:** 9900336

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Skin	* Spleen	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
		Necrosis	Minimal
		Vacuolization Cytoplasmic	Mild
* Lung		Alveolar/Bronchiolar Carcinoma	
[ Alveolar/Bronchiolar Carcinoma TGLS = 1-10 ]			
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Ovary		Atrophy	Marked
		Mineralization	Minimal
		Pigmentation	Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Minimal
		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 2-11 ]			
* Stomach, Glandular	Glands	Ectasia	Minimal
* Uterus		Angiectasis	Moderate

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 337

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 645

**DOSE:** 10 MG/KG

**DISP:** Natural Death

**HISTO:** 9900337

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Thymus

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Heart		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
[ Alveolar/Bronchiolar Carcinoma TGLS = 5-3 ]			
* Kidney		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
[ Alveolar/Bronchiolar Carcinoma TGLS = 6-4+10 ]			
* Liver		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
Note: TGL#2-5-NCL: Liver nodule, documented at necropsy, not demonstrated histologically.			
			[ Alveolar/Bronchiolar Carcinoma TGLS = 1-11 ]
			[ Mixed Cell Focus TGLS = 7-12 ]
* Lung	Mediastinum	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Alveolar/Bronchiolar Carcinoma	
		Hemorrhage	Marked
	Alveolus	Infiltration Cellular	Histiocyte, Marked
		Necrosis	Marked
			[ Alveolar/Bronchiolar Carcinoma TGLS = 3-13 ]
			[ Alveolar/Bronchiolar Carcinoma TGLS = 3-3 ]

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 337	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 645
	<b>DOSE:</b> 10 MG/KG	<b>DISP:</b> Natural Death	<b>HISTO:</b> 9900337

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Hemorrhage TGLS = 4-3 ]			
[ Necrosis TGLS = 4-3 ]			
Lymph Node	Mediastinal	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
* Lymph Node, Mesenteric		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
* Ovary		Atrophy	Marked
		Cyst	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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PRIMARY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 338

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900338

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Thymus

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Adenoma	
		Hyperplasia	Mild
[ Adenoma TGLS = 1-9 ]			
* Liver		Inflammation	Chronic Active, Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Ovary		Atrophy	Marked
		Cystadenoma	
		Pigmentation	Minimal
[ Cystadenoma TGLS = 3-7 ]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Salivary Glands		Infiltration Cellular	Mononuclear Cl, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 4-10 ]			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 338

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900338

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Polyp Stromal

[ Polyp Stromal TGLS = 2-7 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 339

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900339

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Stomach, Forestomach	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Adenoma	
[ Adenoma TGLS = 1-9 ]			
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
		Pigmentation	Minimal
		Vacuolization Cytoplasmic	Minimal
[ Hepatocellular Adenoma TGLS = 2-4 ]			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Ovary		Atrophy	Marked
* Spleen		Hyperplasia	Lymphoid, Moderate
[ Hyperplasia TGLS = 3-4 ]			
* Stomach, Glandular	Glands	Ectasia	Minimal
		Mineralization	Minimal
* Thymus		Hyperplasia	Lymphoid, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 339

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900339

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 340

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 711

**DOSE:** 10 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9900340

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Adenoma	
		Carcinoma	
[ Adenoma TGLS = 1-9 ]			
[ Carcinoma TGLS = 2-9 ]			
* Lung		Carcinoma	Metastatic (Harderian Gland)
[ Carcinoma TGLS = 5-10 ]			
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Marked
[ Hyperplasia TGLS = 3-2 ]			
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
[ Hematopoietic Cell Proliferation TGLS = 4-4 ]			

**PRIMARY CAUSE OF DEATH** - Harderian Gland Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 341

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 708

**DOSE:** 10 MG/KG

**DISP:** Natural Death

**HISTO:** 9900341

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Lymph Node	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Clitoral GI			
Note: Only one clitoral gland available for histologic examination.			
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
* Lung		Alveolar/Bronchiolar Adenoma	
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Ovary		Atrophy	Marked
		Cyst	Mild
Note: Cystic cavity is filled with blood.			
* Saliv Glands			
Note: TGL#1-10: Salivary gland mass, documented at necropsy, is subcutaneous fibrosarcoma histologically.			
* Skin	Subcut Tiss	Fibrosarcoma	
[ Fibrosarcoma TGLS = 1-10 ]			
* Spleen		Hematopoietic Cell Proliferation	Moderate

**PRIMARY CAUSE OF DEATH**

- Skin Subcut Tiss Fibrosarcoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 342      **TRT#:** 6      **SEX:** Female      **DAY ON TEST:** 730  
**DOSE:** 10 MG/KG      **DISP:** Terminal Sacrifice      **HISTO:** 9900342

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* 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	* 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	* Uterus		

**OBSERVATIONS**

Harderian Gland	Infiltration Cellular	Mononuclear CI, Minimal
* Liver	Eosinophilic Focus	
	Hepatocellular Adenoma	Multiple
	Hepatocellular Carcinoma	
	Infarct	Marked
	Inflammation	Chronic Active, Minimal
	Pigmentation	Minimal
[ Eosinophilic Focus TGLS = 2,4-4+12+10 ]		
[ Hepatocellular Adenoma TGLS = 2-5+12 ]		
[ Hepatocellular Carcinoma TGLS = 3-11 ]		
[ Infarct TGLS = 3-11 ]		
* Lung	Hepatocellular Carcinoma	Metastatic (Liver)
[ Hepatocellular Carcinoma TGLS = 1-3 ]		
Lymph Node		
Note: MEDIASTINAL LYMPH NODE NORMAL		
Mesentery	Hemangiosarcoma	
[ Hemangiosarcoma TGLS = 5-10 ]		
* Ovary	Atrophy	Marked
	Cyst	Mild
	Granulosa Cell Tumor Benign	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 342

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900342

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: Cystic cavities are filled with blood.

\* Salivary Glands

\* Spleen

Infiltration Cellular

Hematopoietic Cell Proliferation

Mononuclear CI, Minimal

Moderate

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 343

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900343

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Adenoma	
[ Adenoma TGLS = 1-9 ]			
* Intestine Small, Jejunum	Peyers Patch	Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 2-10 ]			
* Liver		Inflammation	Chronic Active, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Marked
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Ovary		Atrophy	Marked
		Mineralization	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 344

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900344

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lung
Lymph Node	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
* Intestine Small, Jejunum	Peyers Patch	Hyperplasia	Lymphoid, Marked
[ Hyperplasia TGLS = 2-10 ]			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Angiectasis	Marked
		Clear Cell Focus	
		Inflammation	Chronic Active, Minimal
		Necrosis	Minimal
		Pigmentation	Minimal
[ Angiectasis TGLS = 4-11 ]			
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Lymph Node, Mesenteric		Ectasia	Mild
		Hyperplasia	Lymphoid, Marked
[ Hyperplasia TGLS = 3-5 ]			
* Ovary		Atrophy	Marked
		Cyst	Mild
		Pigmentation	Mild

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 344	<b>TRT#:</b> 6 <b>DOSE:</b> 10 MG/KG	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 729 <b>HISTO:</b> 9900344
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Pancreas		Infiltration Cellular	Mononuclear CI, Mild
* Stomach, Forestomach [ Squamous Cell Papilloma TGLS = 5-12 ]		Squamous Cell Papilloma	
* Uterus [ Hyperplasia TGLS = 1-7 ]	Endometrium	Hyperplasia	Cystic, Marked

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 345

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 695

**DOSE:** 10 MG/KG

**DISP:** Natural Death

**HISTO:** 9900345

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
Note: Only one adrenal gland available for histologic examination.			
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Mineralization	Minimal
* Liver		Sarcoma	Metastatic (Mesentery)
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Moderate
	Mediastinal	Sarcoma	Metastatic (Mesentery)
Mesentery		Sarcoma	
[ Sarcoma TGLS = 1,2,4-11+12+13 ]			
* Ovary		Atrophy	Marked
Note: Only one ovary available for histologic examination.			
Skeletal Muscle		Sarcoma	Metastatic (Mesentery)
[ Sarcoma TGLS = 3-10 ]			
* Spleen		Hematopoietic Cell Proliferation	Marked
* Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Minimal
* Thymus		Atrophy	Marked

**PRIMARY CAUSE OF DEATH**

- Mesentery Sarcoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 346

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900346

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* 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**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney	Renal Tubule	Adenoma	
[ Adenoma TGLS = 1-4 ]			
* Liver		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
		Pigmentation	Minimal
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Ovary		Atrophy	Marked
		Cyst	Mild
* Pancreas		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 347

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900347

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Parathyroid Gland	* Pituitary Gland	* Spleen
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Clitoral GI			
Note: Only one clitoral gland available for histologic examination.			
* Gallbladder			
Note: Gallbladder section is on slide #10.			
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
[ Adenoma TGLS = 1-9 ]			
* Liver		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Minimal
[ Eosinophilic Focus TGLS = 2-10 ]			
* Lung		Alveolar/Bronchiolar Adenoma	
* Ovary		Atrophy	Marked
* Pancreas		Infiltration Cellular	Mononuclear CI, Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Skin	Subcut Tiss	Fibrosis	Moderate
	Subcut Tiss	Inflammation	Chronic Active, Mild
* Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 3-11 ]			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 347

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900347

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 348

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900348

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Liver		Inflammation	Chronic Active, Minimal
		Pigmentation	Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Ovary		Atrophy	Marked
		Cyst	Mild
* Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 1-10 ]			
Tooth		Malformation	

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 349

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 10 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900349

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Hyperplasia	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
<p>Note: TGL#2-11-NCL: Liver focus, documented at necropsy, not demonstrated histologically.  [ Hepatocellular Adenoma TGLS = 1,4-4+5 ]</p>			
<p>Lymph Node</p> <p>Note: MEDIASTINAL LYMPH NODE NORMAL</p> <p>Note: TGL#5-10: Enlarged mediastinal lymph node, documented at trim, is enlarged thymus due to benign thymoma histologically.</p>			
* Ovary		Atrophy	Marked
<p>Note: Only one ovary available for histologic examination.</p>			
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hyperplasia	Lymphoid, Mild
* Stomach, Forestomach		Squamous Cell Papilloma	Multiple
<p>[ Squamous Cell Papilloma TGLS = 3-10 ]</p>			
* Thymus		Lymphoma Malignant	
<p>[ Lymphoma Malignant TGLS = 5-10 ]</p>			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 350      **TRT#:** 6      **SEX:** Female      **DAY ON TEST:** 730  
**DOSE:** 10 MG/KG      **DISP:** Terminal Sacrifice      **HISTO:** 9900350

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Thyroid Gland	* Trachea
* Urinary Bladder			

**INSUFFICIENT TISSUE**

\* Pituitary Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
[ Cyst TGLS = 2-8 ]			
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
[ Adenoma TGLS = 1-9 ]			
* Kidney	Cortex	Hydronephrosis	Marked
[ Hydronephrosis TGLS = 4-4 ]			
* Liver		Inflammation	Chronic Active, Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
[ Alveolar/Bronchiolar Adenoma TGLS = 3-10 ]			
* Ovary		Atrophy	Marked
		Cyst	Mild
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Uterus		Angiectasis	Mild
	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 351

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 382

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900351

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Liver		Clear Cell Focus	
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Minimal
* Ovary		Cyst	Mild
* Stomach, Forestomach		Hyperkeratosis	Diffuse, Mild
	Epithelium	Hyperplasia	Focal, Mild
* Stomach, Glandular	Glands	Ectasia	Minimal

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 352

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 640

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900352

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Mineralization	Minimal
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL.			
* Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 1-10 ]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 3-6 ]			
* Stomach, Forestomach		Hyperkeratosis	Focal, Mild
	Epithelium	Hyperplasia	Focal, Minimal
* Thymus		Atrophy	Marked
* Uterus		Angiectasis	Moderate
[ Angiectasis TGLS = 2-7 ]			

**PRIMARY CAUSE OF DEATH**

- Pituitary Gland Pars Distalis Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 353

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900353

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Skin	* Spleen	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Adenoma	
		Hyperplasia	Marked
[ Adenoma TGLS = 2-9 ]			
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Mild
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Minimal
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
Mesentery	Fat	Necrosis	Marked
[ Necrosis TGLS = 1-10 ]			
* Ovary		Atrophy	Marked
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	Multiple
[ Squamous Cell Papilloma TGLS = 3-5 ]			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 354

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900354

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Clitoral Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia Hypertrophy	Mild Minimal
Harderian Gland		Adenoma Hyperplasia	Mild
[ Adenoma TGLS = 1-9 ]			
* Kidney	Renal Tubule	Adenoma Nephropathy	Minimal
[ Adenoma TGLS = 2-4 ]			
* Liver		Angiectasis Basophilic Focus Eosinophilic Focus Inflammation	Mild Chronic Active, Minimal
[ Basophilic Focus TGLS = 3-3 ]			
* Lung		Alveolar/Bronchiolar Adenoma	
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
[ Hyperplasia TGLS = 4-2 ]			
* Ovary		Atrophy Cyst	Marked Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Squamous Cell Papilloma	Multiple

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 354	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 20 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9900354

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Squamous Cell Papilloma TGLS = 5-10 ]

* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 355

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 660

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900355

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
[ Adenoma TGLS = 1-9 ]			
* Liver		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Mild
[ Hepatocellular Adenoma TGLS = 3-5 ]			
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Moderate
Mesentery	Fat	Inflammation	Chronic Active, Mild
* Ovary		Atrophy	Marked
		Hemangioma	
* Spleen		Hematopoietic Cell Proliferation	Marked
[ Hematopoietic Cell Proliferation TGLS = 2-4 ]			
* Stomach, Forestomach		Squamous Cell Carcinoma	
		Squamous Cell Papilloma	
[ Squamous Cell Carcinoma TGLS = 4-10 ]			
[ Squamous Cell Papilloma TGLS = 5-10 ]			

**PRIMARY CAUSE OF DEATH** - Liver Hepatocellular Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 355

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 660

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900355

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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CONTRIBUTORY CAUSE OF DEATH

- Stomach;Forestomach Squamous Cell Carcinoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 356

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 711

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900356

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Carcinoma	
[ Carcinoma TGLS = 1-9 ]			
* Liver		Inflammation	Chronic Active, Minimal
		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
* Lymph Node, Mandibular		Carcinoma	Metastatic (Harderian Gland)
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Squamous Cell Carcinoma	
[ Squamous Cell Carcinoma TGLS = 2-10 ]			

PRIMARY CAUSE OF DEATH - Stomach, Forestomach Squamous Cell Carcinoma  
 CONTRIBUTORY CAUSE OF DEATH - Harderian Gland Carcinoma

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 357

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 386

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900357

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

**MISSING**

* Clitoral Gland	* Lymph Node, Mesenteric
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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
Harderian Gland		Hyperplasia	Marked
* Liver		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Mild
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Moderate

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 358

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900358

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Skin	* Spleen
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
		Hyperplasia	Mild
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
* Liver		Clear Cell Focus	
		Inflammation	Chronic Active, Minimal
		Necrosis	Minimal
		Vacuolization Cytoplasmic	Mild
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Ovary		Atrophy	Marked
		Cyst	Mild
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	Multiple
* Stomach, Glandular	Glands	Ectasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 359      **TRT#:** 8      **SEX:** Female      **DAY ON TEST:** 642  
**DOSE:** 20 MG/KG      **DISP:** Natural Death      **HISTO:** 9900359

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Uterus	

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Lymphoma Malignant	
* Kidney		Hyperplasia	Marked
* Liver		Lymphoma Malignant	
* Lung		Lymphoma Malignant	
Lymph Node	Iliac	Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
		[ Lymphoma Malignant TGLS = 3-11 ]	
		[ Lymphoma Malignant TGLS = 4-12 ]	
		[ Lymphoma Malignant TGLS = 2-10 ]	
* Lymph Node, Mandibular		Lymphoma Malignant	
		[ Lymphoma Malignant TGLS = 1-2 ]	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Ovary		Atrophy	Marked
* Spleen		Lymphoma Malignant	
* Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Minimal
* Thymus		Lymphoma Malignant	
* Urinary Bladder		Lymphoma Malignant	

**PRIMARY CAUSE OF DEATH**      - Spleen    Lymphoma Malignant

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 360      **TRT#:** 8      **SEX:** Female      **DAY ON TEST:** 731  
**DOSE:** 20 MG/KG      **DISP:** Terminal Sacrifice      **HISTO:** 9900360

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* 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	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Clitoral Gland		Inflammation	Chronic Active, Minimal
Harderian Gland	Bilateral	Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
		Necrosis	Minimal
[ Eosinophilic Focus TGLS = 2-5 ]			
[ Hepatocellular Adenoma TGLS = 3,4,5-11+12+10 ]			
Mesentery	Fat	Necrosis	Marked
[ Necrosis TGLS = 1-10 ]			
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Squamous Cell Papilloma	Multiple
[ Squamous Cell Papilloma TGLS = 6-13 ]			
* Stomach, Glandular	Glands	Ectasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

**PRIMARY CAUSE OF DEATH**      -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 361

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 580

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900361

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Gallbladder	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
		Inflammation	Chronic Active, Mild
Blood Vessel	Aorta	Mineralization	Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
Harderian Gland			
Note: Only one Harderian gland present for histologic examination (Slide 09I). Tissue present on slide #09 is hemorrhagic, autolytic & unrecognizable.			
* Liver		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Marked
* Stomach, Forestomach		Squamous Cell Carcinoma	
[ Squamous Cell Carcinoma TGLS = 1-5 ]			
* Stomach, Glandular		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
* Thymus		Atrophy	Marked

**PRIMARY CAUSE OF DEATH** - Stomach, Forestomach Squamous Cell Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 362	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 429
	<b>DOSE:</b> 20 MG/KG	<b>DISP:</b> Natural Death	<b>HISTO:</b> 9900362

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

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**MISSING**

Harderian Gland

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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Liver		Lymphoma Malignant	
		Hepatocellular Adenoma	
		Lymphoma Malignant	
		[ Hepatocellular Adenoma TGLS = 4-10 ]	
		[ Lymphoma Malignant TGLS = 3-4+5 ]	
* Lung	Mediastinum	Lymphoma Malignant	
		Lymphoma Malignant	
Lymph Node	Mediastinal	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
		Lymphoma Malignant	
		Note: TGL#6-11 is for axillary lymph nodes.	
		[ Lymphoma Malignant TGLS = 2-10 ]	
		[ Lymphoma Malignant TGLS = 9-12 ]	
		[ Lymphoma Malignant TGLS = 6-11 ]	
* Lymph Node, Mandibular		Lymphoma Malignant	
		[ Lymphoma Malignant TGLS = 5-2 ]	
* Lymph Node, Mesenteric		Lymphoma Malignant	
		[ Lymphoma Malignant TGLS = 7-5 ]	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 362	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 429
	<b>DOSE:</b> 20 MG/KG	<b>DISP:</b> Natural Death	<b>HISTO:</b> 9900362

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Ovary	Atrophy	Moderate
	Cyst	Mild
* Spleen [ Lymphoma Malignant TGLS = 1-4 ]	Lymphoma Malignant	
* Thymus	Atrophy	Moderate

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PRIMARY CAUSE OF DEATH - Spleen Lymphoma Malignant

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 363

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 649

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900363

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Liver		Angiectasis	Mild
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
[ Eosinophilic Focus TGLS = 4-5 ]			
* Ovary		Atrophy	Marked
		Cyst	Mild
[ Cyst TGLS = 3-7 ]			
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
[ Hematopoietic Cell Proliferation TGLS = 1-4 ]			
* Stomach, Forestomach		Squamous Cell Carcinoma	
[ Squamous Cell Carcinoma TGLS = 5-10 ]			
* Thymus		Atrophy	Moderate
* Uterus		Hemangioma	
[ Hemangioma TGLS = 2-7 ]			

**PRIMARY CAUSE OF DEATH** - Stomach, Forestomach Squamous Cell Carcinoma  
**CONTRIBUTORY CAUSE OF DEATH** - Uterus Hemangioma

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 363

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 649

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900363

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 364

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900364

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Mammary Gland	* Nose
* Pancreas	* Pituitary Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Heart		Inflammation	Chronic Active, Minimal
* Int Lg Rectum			
Note: TGL#5-5-NCL: Rectal nodule, documented at necropsy, not demonstrated histologically.			
* Kidney			
Note: TGL#3-NST: Renal nodule, documented at necropsy, not found at trim.			
* Liver		Hepatocellular Adenoma	Chronic Active, Minimal
		Inflammation	Minimal
		Vacuolization Cytoplasmic	
[ Hepatocellular Adenoma TGLS = 4-5 ]			
Lymph Node	Mediastinal	Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 6-5 ]			
Mesentery	Fat	Necrosis	Marked
[ Necrosis TGLS = 2-10 ]			
* Ovary		Atrophy	Marked
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Lymphoma Malignant	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 364

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900364

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Lymphoma Malignant TGLS = 1-4 ]

\* Uterus

Endometrium

Hyperplasia

Cystic, Minimal

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03

**Test Type:** CHRONIC

**Route:** GAVAGE

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acrylonitrile

**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 04:13:31

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

**Lab:** BAT

**ANIMAL ID:** 365

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900365

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Eye		Atrophy	Moderate
	Lens	Cataract	Marked
[ Atrophy TGLS = 2-9 ]			
[ Cataract TGLS = 2-9 ]			
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
[ Adenoma TGLS = 1-9 ]			
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Minimal
[ Basophilic Focus TGLS = 3-10 ]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Pigmentation	Mild
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Minimal
* Ovary		Atrophy	Marked
		Cyst	Marked
Note: TGL#4-7: Cyst is filled with blood.			
[ Cyst TGLS = 4-7 ]			
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hyperplasia	Lymphoid, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 365

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900365

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Uterus

Endometrium

Hyperplasia

Cystic, Minimal

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 366

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 547

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900366

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Adenoma	
* Liver		Clear Cell Focus	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Mild
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 367

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900367

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* 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 Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Liver		Angiectasis	Mild
		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Mild
[ Angiectasis TGLS = 3-4+5+11 ]			
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Ovary		Atrophy	Marked
		Granulosa Cell Tumor Benign	
[ Granulosa Cell Tumor Benign TGLS = 2-7 ]			
* Stomach, Forestomach		Inflammation	Chronic Active, Focal, Mild
		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 4-10 ]			
* Uterus		Hemangioma	
	Endometrium	Hyperplasia	Cystic, Minimal
[ Hemangioma TGLS = 1-7 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 368

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 352

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900368

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Uterus

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
Eye		Atrophy	Marked
	Lens	Cataract	Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Liver		Inflammation	Chronic Active, Minimal

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 369

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 352

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900369

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
Harderian Gland	* 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
* 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
* Uterus			

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
Note: Only one adrenal gland available for histologic examination.			
* Clitoral GI			
Note: Only one clitoral gland available for histologic examination.			
* Heart		Mineralization	Minimal
* Int Lg Cecum			
Note: Cecum is on slide #05.			
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Ovary		Mineralization	Minimal

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 370

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 352

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900370

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	Lymph Node
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Liver		Vacuolization Cytoplasmic	Minimal
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 371

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900371

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Skin	* Spleen	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
Eye		Atrophy	Marked
[ Atrophy TGLS = 5-9 ]			
Harderian Gland		Carcinoma	
[ Carcinoma TGLS = 6-9 ]			
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Eosinophilic Focus	
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Minimal
[ Basophilic Focus TGLS = 3-5 ]			
* Lung		Carcinoma	Metastatic (Harderian Gland)
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Ovary		Atrophy	Marked
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Forestomach		Hyperkeratosis	Diffuse, Mild
	Epithelium	Hyperplasia	Focal, Mild
		Squamous Cell Carcinoma	
[ Hyperkeratosis TGLS = 2-5 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 371

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900371

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Hyperplasia TGLS = 2-5 ]

[ Squamous Cell Carcinoma TGLS = 1-5 ]

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 372

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 667

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900372

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Clitoral Gland
* Esophagus	* Gallbladder	* Intestine Large, Cecum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Glandular	* Thyroid Gland	* Trachea	

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Bone Marrow		Lymphoma Malignant	
* Brain		Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 3-2 ]			
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
Note: Only one Harderian gland available for histologic examination.			
* Heart		Lymphoma Malignant	
* Intestine Large, Colon		Lymphoma Malignant	
* Intestine Large, Rectum		Lymphoma Malignant	
* Kidney		Lymphoma Malignant	
* Liver		Lymphoma Malignant	
* Lung		Alveolar/Bronchiolar Adenoma	
	Mediastinum	Lymphoma Malignant	
		Lymphoma Malignant	
[ Alveolar/Bronchiolar Adenoma TGLS = 2-11 ]			
Lymph Node	Mediastinal	Lymphoma Malignant	
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
Mesentery		Lymphoma Malignant	
* Ovary		Atrophy	Marked
		Lymphoma Malignant	
Note: Only one ovary available for histologic examination.			
Oviduct		Lymphoma Malignant	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 372

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 667

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900372

**ORGAN AND ACCOUNTABLE SITE STATUS**

* Pituitary Gland		Lymphoma Malignant
Skeletal Muscle		Lymphoma Malignant
* Skin	Subcut Tiss	Lymphoma Malignant
* Spleen		Lymphoma Malignant
[ Lymphoma Malignant TGLS = 1-4 ]		
* Stomach, Forestomach		Squamous Cell Papilloma
[ Squamous Cell Papilloma TGLS = 4-10 ]		
* Thymus		Lymphoma Malignant
* Urinary Bladder		Lymphoma Malignant
* Uterus		Lymphoma Malignant

PRIMARY CAUSE OF DEATH

- Spleen Lymphoma Malignant

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 373

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 185

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900373

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* 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**

* Stomach, Forestomach	Hyperkeratosis	Diffuse, Mild
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**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 374

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 680

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900374

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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
* Pituitary Gland	* Salivary Glands	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland	Bilateral	Adenoma	
* Liver	Bile Duct	Cyst	Marked
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
		Necrosis	Mild
		Vacuolization Cytoplasmic	Minimal
[ Cyst TGLS = 3-13 ]			
[ Hepatocellular Adenoma TGLS = 4,5-4+11 ]			
[ Hepatocellular Carcinoma TGLS = 2-5 ]			
* Lung		Alveolar/Bronchiolar Carcinoma	
[ Alveolar/Bronchiolar Carcinoma TGLS = 1-10 ]			
* Lymph Node, Mesenteric		Sarcoma	Metastatic (Skin)
Mesentery	Fat	Necrosis	Marked
		Sarcoma	Metastatic (Skin)
[ Necrosis TGLS = 6-11 ]			
[ Sarcoma TGLS = 8-11 ]			
* Ovary		Atrophy	Marked

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 374	<b>TRT#:</b> 8 <b>DOSE:</b> 20 MG/KG	<b>SEX:</b> Female <b>DISP:</b> Natural Death	<b>DAY ON TEST:</b> 680 <b>HISTO:</b> 9900374
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Pancreas		Cyst	Mild
* Skin	Subcut Tiss	Sarcoma	Metastatic (Skin)
[ Sarcoma TGLS = 7-10 ]		Sarcoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Squamous Cell Papilloma	Multiple
[ Squamous Cell Papilloma TGLS = 9-12 ]			
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

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PRIMARY CAUSE OF DEATH	- Liver Hepatocellular Carcinoma
CONTRIBUTORY CAUSE OF DEATH	- Skin Subcut Tiss Sarcoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 375

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900375

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Skin	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Note: Cyst in adrenal cortex. Unable to code using current NTP lexicon.			
Harderian Gland		Adenoma	
[ Adenoma TGLS = 1-9 ]			
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Mild
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Mild
[ Angiectasis TGLS = 2-5 ]			
[ Mixed Cell Focus TGLS = 2-5 ]			
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Ovary		Atrophy	Marked
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hyperplasia	Lymphoid, Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 376

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 113

**DOSE:** 20 MG/KG

**DISP:** Dosing Accident

**HISTO:** 9900376

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Gallbladder	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Esophagus		Perforation	
[ Perforation TGLS = 2-3 ]			
* Lung		Inflammation	Suppurative, Moderate
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Mild
* Skin		Inflammation	Chronic Active, Marked
[ Inflammation TGLS = 1-8 ]			
* Spleen		Hematopoietic Cell Proliferation	Marked
[ Hematopoietic Cell Proliferation TGLS = 3-4 ]			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 377

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900377

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Adenoma	
[ Adenoma TGLS = 1-9 ]			
* Liver		Angiectasis	Mild
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Minimal
[ Hepatocellular Adenoma TGLS = 3-12 ]			
[ Hepatocellular Carcinoma TGLS = 2-4 ]			
Mesentery	Fat	Necrosis	Marked
[ Necrosis TGLS = 5-11 ]			
* Ovary		Atrophy	Marked
		Cyst	Mild
		Mineralization	Mild
		Thrombosis	Marked
Note: Ovarian lesion looks like an infarction histologically, but unable to code this using current NTP lexicon.			
[ Thrombosis TGLS = 4-7 ]			
* Spleen		Hyperplasia	Lymphoid, Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 377

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900377

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Squamous Cell Papilloma TGLS = 6-10 ]

\* Uterus

Endometrium

Hyperplasia

Cystic, Marked

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 378

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 582

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900378

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear Cl, Minimal
* Liver		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Minimal
[ Mixed Cell Focus TGLS = 1-10 ]			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
* Ovary		Atrophy	Marked
* Spleen		Hyperplasia	Lymphoid, Minimal
* Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 379

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900379

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Eye	Cornea	Atrophy	Marked
[ Atrophy TGLS = 1-9 ]		Inflammation	Chronic Active, Mild
Harderian Gland	Bilateral	Adenoma	
[ Adenoma TGLS = 2,3-9 ]			
* Kidney	Cortex	Cyst	Mild
		Mineralization	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
[ Mixed Cell Focus TGLS = 7-4 ]		Mixed Cell Focus	
* Lung		Alveolar/Bronchiolar Adenoma	
[ Alveolar/Bronchiolar Adenoma TGLS = 6-10 ]			
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
[ Hyperplasia TGLS = 5-2 ]			
* Ovary		Atrophy	Marked
		Cyst	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 379	<b>TRT#:</b> 8 <b>DOSE:</b> 20 MG/KG	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 730 <b>HISTO:</b> 9900379
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Hematopoietic Cell Proliferation TGLS = 4-4 ]			
* Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 8-11 ]			
* Stomach, Glandular	Glands	Ectasia	Minimal

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 380

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900380

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Skin
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular Subcapsular	Adenoma Hyperplasia	Multiple Moderate
Note: Another adrenal cortical cyst. Unable to code using current NTP lexicon.			
Eye		Atrophy	Marked
[ Atrophy TGLS = 1-9 ]			
Harderian Gland		Adenoma Infiltration Cellular	Mononuclear CI, Minimal
[ Adenoma TGLS = 2-9 ]			
* Liver		Eosinophilic Focus Hepatocellular Adenoma Inflammation Mixed Cell Focus Pigmentation Vacuolization Cytoplasmic	Chronic Active, Minimal  Minimal Mild
[ Hepatocellular Adenoma TGLS = 3-5 ]			
* Lung		Alveolar/Bronchiolar Adenoma	
[ Alveolar/Bronchiolar Adenoma TGLS = 4-10 ]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Ovary		Atrophy Pigmentation	Marked Mild
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 380

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900380

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Spleen  
\* Stomach, Forestomach  
[ Squamous Cell Papilloma TGLS = 5,6-11 ]

Hyperplasia  
Squamous Cell Papilloma

Lymphoid, Mild  
Multiple

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 381

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900381

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Eye		Atrophy	Marked
	Cornea	Inflammation	Chronic Active, Mild
[ Atrophy TGLS = 1-9 ]			
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
[ Adenoma TGLS = 2-9 ]			
* Int Lg Colon			
Note: Colon is on slide #04.			
* Liver		Angiectasis	Moderate
		Hepatocholangiocarcinoma	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
[ Angiectasis TGLS = 5,7-4+5 ]			
[ Hepatocholangiocarcinoma TGLS = 4-10 ]			
[ Mixed Cell Focus TGLS = 5,7-4+5 ]			
* Lung		Hepatocholangiocarcinoma	Metastatic (Liver)
[ Hepatocholangiocarcinoma TGLS = 6-3 ]			
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Lymph Node, Mandibular		Angiectasis	Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 381	<b>TRT#:</b> 8 <b>DOSE:</b> 20 MG/KG	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 729 <b>HISTO:</b> 9900381
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Angiectasis TGLS = 3-2 ] [ Hyperplasia TGLS = 3-2 ] * Ovary		Hyperplasia	Lymphoid, Marked
* Pituitary Gland	Pars Distalis	Atrophy Pigmentation Adenoma	Marked Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus	Endometrium	Hyperplasia Hyperplasia	Lymphoid, Minimal Cystic, Marked

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 382

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 135

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900382

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* 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	* Uterus		

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
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**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 383

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900383

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
Eye	Cornea	Inflammation	Chronic Active, Moderate
		Synechia	Mild
[ Inflammation TGSL = 1-9 ]			
Harderian Gland		Adenoma	
[ Adenoma TGSL = 2-9 ]			
* Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolus	Erythrophagocytosis	Mild
		Infiltration Cellular	Histiocyte, Marked
[ Alveolar/Bronchiolar Carcinoma TGSL = 7-10 ]			
[ Infiltration Cellular TGSL = 8-10 ]			
Lymph Node	Renal	Lymphoma Malignant	
Note: MEDIASTINAL LYMPH NODE NORMAL			
[ Lymphoma Malignant TGSL = 6-10 ]			
* Lymph Node, Mandibular		Lymphoma Malignant	
[ Lymphoma Malignant TGSL = 3-2 ]			
* Ovary		Atrophy	Marked
		Cyst	Mild
* Spleen		Lymphoma Malignant	
[ Lymphoma Malignant TGSL = 4,5-4 ]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Focal, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 383

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900383

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 384

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900384

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Islets, Pancreatic	* Kidney	* Lung
Lymph Node	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Intestine Small, Ileum	Peyers Patch	Lymphoma Malignant	
* Intestine Small, Jejunum	Peyers Patch	Lymphoma Malignant	
[ Lymphoma Malignant TGLS = 1-5 ]			
* Liver		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Mild
[ Hepatocellular Adenoma TGLS = 2,3-5+10 ]			
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Ovary		Atrophy	Marked
		Cyst	Minimal
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hyperplasia	Lymphoid, Moderate

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 385

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 135

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900385

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* 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
* Uterus			

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Clitoral GI			
Note: Only one clitoral gland available for histologic examination.			
* Thymus	Thymocyte	Necrosis	Marked

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 386

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 704

**DOSE:** 20 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9900386

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* 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
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
[ Adenoma TGLS = 7-9 ]			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
	Capsule	Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
* Liver		Inflammation	Chronic Active, Minimal
		Necrosis	Moderate
		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
[ Squamous Cell Carcinoma TGLS = 4-4+5; 5-10 ]			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
Mesentery	Fat	Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
[ Squamous Cell Carcinoma TGLS = 6-11 ]			
* Ovary		Atrophy	Marked
		Hemangioma	
		Thrombosis	Marked

Note: Only one ovary available for histologic examination.  
[ Hemangioma TGLS = 1-7 ]  
[ Thrombosis TGLS = 1-7 ]

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 386	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 704
	<b>DOSE:</b> 20 MG/KG	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 9900386

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Pancreas  
Note: TGL#6-11: Pancreatic nodules, documented at necropsy, are mesenteric fat nodules involved with metastatic Sq. cell Ca.; primary forestomach.

\* Spleen  
[ Hematopoietic Cell Proliferation TGLS = 2-4 ]  
Hematopoietic Cell Proliferation Mild

\* Stomach, Forestomach  
[ Squamous Cell Carcinoma TGLS = 3-5 ]  
Squamous Cell Carcinoma

\* Thymus  
Atrophy Moderate

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PRIMARY CAUSE OF DEATH - Stomach, Forestomach Squamous Cell Carcinoma

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 387

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900387

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Eye		Atrophy	Marked
	Cornea	Inflammation	Chronic Active, Mild
[ Atrophy TGLS = 1-11 ]			
Harderian Gland	Bilateral	Adenoma	
[ Adenoma TGLS = 2-9 ]			
* Liver		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Mild
[ Mixed Cell Focus TGLS = 4-5 ]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
Mesentery	Fat	Necrosis	Marked
[ Necrosis TGLS = 5,6-10+11 ]			
* Ovary		Atrophy	Marked
		Cyst	Mild
		Cystadenoma	
[ Cyst TGLS = 3-7 ]			
[ Cystadenoma TGLS = 8-7 ]			
* Spleen		Hematopoietic Cell Proliferation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 387	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 20 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9900387

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Stomach, Forestomach [ Squamous Cell Papilloma TGLS = 7-10 ]		Hyperplasia Squamous Cell Papilloma	Lymphoid, Minimal
* Stomach, Glandular	Glands	Ectasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 388

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 20 MG/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9900388

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
Eye	Cornea	Inflammation	Chronic Active, Marked
[ Inflammation TGLS = 2-9 ]			
Harderian Gland		Adenoma	
[ Adenoma TGLS = 1-9 ]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic Active, Minimal
[ Basophilic Focus TGLS = 3-5 ]			
* Lung		Alveolar/Bronchiolar Adenoma	
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Ovary		Atrophy	Marked
		Cyst	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 4-10 ]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

**PRIMARY CAUSE OF DEATH** - Harderian Gland Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 389

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900389

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Moderate
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Mild
[ Mixed Cell Focus TGLS = 1-11 ]			
* Ovary		Atrophy	Marked
* Spleen		Hyperplasia	Lymphoid, Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	Multiple
[ Squamous Cell Papilloma TGLS = 2-10 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 390

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900390

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
Harderian Gland	Bilateral	Hyperplasia	Moderate
		Infiltration Cellular	Mononuclear CI, Minimal
* Liver		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
		Vacuolization Cytoplasmic	Mild
		[ Eosinophilic Focus TGLS = 1-11 ]	
* Lung		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
		[ Squamous Cell Carcinoma TGLS = 2-12 ]	
		Lymph Node	
		Note: MEDIASTINAL LYMPH NODE NORMAL	
* Ovary		Atrophy	Marked
		Cyst	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Squamous Cell Carcinoma	
		[ Squamous Cell Carcinoma TGLS = 3-5+10 ]	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 391

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 494

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900391

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
* Ovary		Atrophy	Marked

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 392

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 649

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900392

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* 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
* Mammary Gland	* Nose	* Pancreas	* Pituitary Gland
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Blood Vessel			
Note: Aorta on slide #03.			
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
* Clitoral GI			
Note: Only one clitoral gland available for histologic examination.			
Harderian Gland		Adenoma	
[ Adenoma TGLS = 4-9 ]			
* Heart		Fibrosarcoma	Metastatic (Skin)
		Inflammation	Chronic Active, Minimal
* Liver		Necrosis	Minimal
* Lung		Fibrosarcoma	Metastatic (Skin)
[ Fibrosarcoma TGLS = 3-3 ]			
* Lymph Node, Mesenteric		Fibrosarcoma	Metastatic (Skin)
* Ovary		Atrophy	Marked
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Skin	Subcut Tiss	Fibrosarcoma	
[ Fibrosarcoma TGLS = 1-10 ]			
* Spleen		Hematopoietic Cell Proliferation	Mild
[ Hematopoietic Cell Proliferation TGLS = 2-4 ]			
* Stomach, Forestomach		Squamous Cell Papilloma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 392	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 649
	<b>DOSE:</b> 20 MG/KG	<b>DISP:</b> Natural Death	<b>HISTO:</b> 9900392

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Squamous Cell Papilloma TGLS = 5-11 ]

* Thymus		Fibrosarcoma	Metastatic (Skin)
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

---

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibrosarcoma

CONTRIBUTORY CAUSE OF DEATH - Lung Fibrosarcoma Skin

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 50215-03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Acrylonitrile

CAS Number: 107-13-1

Date Report Requested: 10/20/2014

Time Report Requested: 04:13:31

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 393

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 20 MG/KG

DISP: Terminal Sacrifice

HISTO: 9900393

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Adenoma	
* Heart		Inflammation	Chronic Active, Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
		Vacuolization Cytoplasmic	Mild
[ Basophilic Focus TGLS = 4-11 ]			
[ Clear Cell Focus TGLS = 2-4 ]			
[ Eosinophilic Focus TGLS = 5-12 ]			
[ Hepatocellular Adenoma TGLS = 1,4-5+11 ]			
Lymph Node			
Note: MEDIASTINAL LYMPH NODE NORMAL			
* Ovary		Atrophy	Marked
		Cyst	Mild
		Cystadenoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 3-10 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 393

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900393

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Uterus

Endometrium

Hyperplasia

Cystic, Moderate

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 394

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900394

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Pancreas	* Pituitary Gland
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

* Lymph Node, Mesenteric	* Parathyroid Gland
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**OBSERVATIONS**

* Adrenal Cortex Harderian Gland	Subcapsular	Hyperplasia Hyperplasia Infiltration Cellular Inflammation Vacuolization Cytoplasmic	Mild Moderate Mononuclear CI, Minimal Chronic Active, Minimal Minimal
* Liver  Lymph Node Note: MEDIASTINAL LYMPH NODE NORMAL			
* Ovary		Atrophy Cyst	Marked Mild
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Stomach, Forestomach [ Squamous Cell Carcinoma TGLS = 1-10 ]		Squamous Cell Carcinoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 395

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900395

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Hyperplasia	Marked
* Liver		Eosinophilic Focus	
		Inflammation	Chronic Active, Minimal
		Mixed Cell Focus	
		Vacuolization Cytoplasmic	Minimal
	[ Mixed Cell Focus TGLS = 1-4 ]		
* Lung	Alveolus	Alveolar/Bronchiolar Carcinoma	
	[ Alveolar/Bronchiolar Carcinoma TGLS = 2-3 ]	Infiltration Cellular	Histiocyte, Moderate
* Ovary		Atrophy	Marked
		Cyst	Mild
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hyperplasia	Lymphoid, Moderate
* Stomach, Forestomach		Squamous Cell Papilloma	Multiple
	[ Squamous Cell Papilloma TGLS = 3-10 ]		
* Stomach, Glandular	Glands	Ectasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 396

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 513

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900396

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
Harderian Gland		Infiltration Cellular	Mononuclear CI, Minimal
* Liver		Necrosis	Mild
		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Minimal
Mesentery	Fat	Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
* Ovary		Atrophy	Marked
* Spleen		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
	[ Squamous Cell Carcinoma TGLS = 1,2-4 ]		
* Stomach, Forestomach		Squamous Cell Carcinoma	
	[ Squamous Cell Carcinoma TGLS = 3-10 ]		
* Thymus		Atrophy	Marked

**PRIMARY CAUSE OF DEATH** - Stomach, Forestomach Squamous Cell Carcinoma

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 397

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 20 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9900397

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
[ Adenoma TGLS = 3-9 ]			
* Kidney		Metaplasia	Osseous, Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
Note: TGL#7-4-NCL: Mass from left liver lobe, documented at trim, not demonstrated histologically.			
[ Basophilic Focus TGLS = 2-11 ]			
[ Hepatocellular Adenoma TGLS = 1,6-10+5 ]			
* Lung		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Alveolar/Bronchiolar Carcinoma	
		Fibrosis	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Chronic Active, Mild
[ Alveolar/Bronchiolar Carcinoma TGLS = 4-10 ]			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Moderate
* Ovary		Atrophy	Marked
		Cyst	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 397	<b>TRT#:</b> 8	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 20 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9900397

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: Only one ovary available for histologic examination.

* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Squamous Cell Papilloma	
	[ Squamous Cell Papilloma TGLS = 5-12 ]		
* Thyroid Gland	Follicle	Cyst	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 398

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 704

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900398

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Pituitary Gland	* Skin
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Gallbladder		Infiltration Cellular	Lymphocyte, Mild
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
[ Adenoma TGLS = 1-9 ]			
* Liver		Inflammation	Chronic Active, Minimal
		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
* Ovary		Atrophy	Marked
		Cyst	Mild
		Cystadenoma	
* Salivary Glands		Infiltration Cellular	Mononuclear CI, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Squamous Cell Carcinoma	
[ Squamous Cell Carcinoma TGLS = 2-5 ]			
* Stomach, Glandular		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

**PRIMARY CAUSE OF DEATH** - Stomach, Forestomach Squamous Cell Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 399

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 722

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900399

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* 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	* Salivary Glands	* Skin
* Spleen	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
		Myelofibrosis	Mild
Harderian Gland		Adenoma	
		Infiltration Cellular	Mononuclear CI, Minimal
[ Adenoma TGLS = 1-9 ]			
* Liver		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
[ Squamous Cell Carcinoma TGLS = 2-3+4+5+10 ]			
* Lung		Inflammation	Suppurative, Moderate
* Ovary		Atrophy	Marked
* Stomach, Forestomach		Squamous Cell Carcinoma	
[ Squamous Cell Carcinoma TGLS = 3-10 ]			
* Stomach, Glandular		Squamous Cell Carcinoma	Metastatic (Stomach, Forestomach)
[ Squamous Cell Carcinoma TGLS = 3-10 ]			
* Thymus		Atrophy	Moderate

**PRIMARY CAUSE OF DEATH**

- Stomach, Forestomach Squamous Cell Carcinoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 50215-03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Acrylonitrile  
**CAS Number:** 107-13-1

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 04:13:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 400

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 555

**DOSE:** 20 MG/KG

**DISP:** Natural Death

**HISTO:** 9900400

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Salivary Glands
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

**MISSING**

* Lymph Node, Mesenteric	* Pituitary Gland
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**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Mild
Harderian Gland		Hyperplasia	Marked
* Liver		Inflammation	Chronic Active, Minimal
* Ovary		Atrophy	Marked
* Skin	Subcut Tiss	Fibrosarcoma	
[ Fibrosarcoma TGLS = 1-10 ]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Squamous Cell Papilloma	Multiple
[ Squamous Cell Papilloma TGLS = 2-11 ]			

**PRIMARY CAUSE OF DEATH**

- Skin Subcut Tiss Fibrosarcoma

**\*\* END OF REPORT \*\***

\* PROTOCOL REQUIRED TISSUE