

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

C Number:	C55834B
Lock Date:	Not Entered.
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	02/08/1988

Experiment Number: 05040-02
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P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

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

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Liver	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
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, Minimal
Nose	Lumen, Turbinate	Inflammation	Suppurative, Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 1 **TRT#:** 2 **SEX:** Male **DAY ON TEST:** 662
DOSE: 50 MG/KG **DISP:** Moribund **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mesenteric Mammary Gland

OBSERVATIONS

Kidney		Inflammation	Chronic, Minimal
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC	TGLs = 6-2		
Note: HEPATOCLR ADEN	TGLs = 7-2		
Note: HEPATOCLR ADEN	TGLs = 10-17		
Lung		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC	TGLs = 9-3		
Lymph Node		Hyperplasia	Lymphoid, Plasma Cell, Marked
Note: HYPERPLASIA	TGLs = 8-13		
Skin		Acanthosis	Moderate
		Fibroma	
		Fibrosarcoma	
		Fibrosarcoma	
	Dermis	Inflammation	Chronic, Moderate
Note: FIBROSARC	TGLs = 1-8		
Note: FIBROSARC	TGLs = 2-10		
Note: ACANTHOSIS	TGLs = 4-12		
Note: INFLAMMATION	TGLs = 4-12		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 1	TRT#: 2	SEX: Male	DAY ON TEST: 662
	DOSE: 50 MG/KG	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: FIBROMA TGLs = 3-11

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 1	TRT#: 3	SEX: Male	DAY ON TEST: 730
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Pituitary Gland
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OBSERVATIONS

Harderian Gland Note: ADENOMA TGLs = 3-10		Adenoma	
Kidney [Inflammation TGLS = 2-1]	Renal Tubule	Carcinoma Inflammation	Chronic, Mild
Liver		Syncytial Alteration	Minimal
Lymph Node Note: CONGESTION TGLs = 1-4	Mesenteric	Congestion	Moderate
Testes		Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 2	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Focal, Marked
Kidney		Inflammation	Chronic, Minimal
Liver		Basophilic Focus	
Note: BASOPH FOCUS	TGLs = 1-2		
Lung		Alveolar/Bronchiolar Adenoma	
Salivary Glands		Degeneration	Chronic, Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 2	TRT#: 2	SEX: Male	DAY ON TEST: 368
	DOSE: 50 MG/KG	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Kidney		Inflammation	Chronic, Minimal
Liver		Anisokaryosis	Mild
		Eosinophilic Focus	
		Syncytial Alteration	Mild
Lung		Congestion	Marked
Note: CONGESTION	TGLs = 4-3		
Skin	Prepuce	Inflammation	Suppurative, Moderate
Note: INFLAMMATION	TGLs = 1-10		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 3	TRT#: 1 DOSE: VEHICLE CONTROL	SEX: Male DISP: Moribund	DAY ON TEST: 421 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

AUTO PRECLUDES DIAG.

Gallbladder

OBSERVATIONS

Kidney	Inflammation	Chronic, Moderate
Liver	Syncytial Alteration	Minimal
Prostate	Inflammation	Suppurative, Marked
Seminal Vesicle	Inflammation	Suppurative, Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 3	TRT#: 3	SEX: Male	DAY ON TEST: 563
	DOSE: 100MG/KG	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Parathyroid Gland
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AUTO PRECLUDES DIAG.

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

Brain		Mineralization	Minimal
Liver		Basophilic Focus	
Lung		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC TGLs = 1-3			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 4 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 691
DOSE: VEHICLE CONTROL **DISP:** Moribund **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Bone	Joint, Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 3-9			
Harderian Gland		Adenoma	
Note: ADENOMA TGLs = 6-10			
Kidney		Glomerulosclerosis	Moderate
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 4-2			
Lung		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC TGLs = 5-3	Alveolus	Hyperplasia	Macrophage, Moderate
Nose	Nasolacrim Dct	Inflammation	Chronic, Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Salivary Glands		Inflammation	Chronic, Mild
Skin		Fibrosarcoma	
Note: FIBROSARC TGLs = 2-11		Ulcer	Marked
Note: ULCER TGLs = 1-8			
Testes	Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 7-5			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 4	TRT#: 1	SEX: Male	DAY ON TEST: 691
	DOSE: VEHICLE CONTROL	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS			
Urinary Bladder	Submucosa	Inflammation	Chronic, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 4 **TRT#:** 2 **SEX:** Male **DAY ON TEST:** 701
DOSE: 50 MG/KG **DISP:** Moribund **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Intestine Small	Jejunum	Lymphoma Malignant Lymphocytic Inflammation	Chronic, Minimal
Kidney		Alveolar/Bronchiolar Adenoma	
Lung		Lymphoma Malignant Lymphocytic	
Lymph Node	Mandibular	Lymphoma Malignant Lymphocytic	
	Mediastinal	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 4-4			
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
Preputial Gland		Inflammation	Chronic, Moderate
Salivary Glands		Inflammation	Chronic, Minimal
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC TGLs = 1-8,2-8			
Spleen		Hematopoietic Cell Proliferation	Marked
		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 3-2			
Tooth	Pulp	Necrosis	Moderate

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 4	TRT#: 3 DOSE: 100MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Prostate	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Inflammation	Chronic, Mild
Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC	TGLs = 2-11		
Note: HEPATOCLR CARC	TGLs = 2-11		
Note: EOSIN FOCUS	TGLs = 4-12		
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
Salivary Glands		Inflammation	Chronic, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 5 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 683
DOSE: VEHICLE CONTROL **DISP:** Dead **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Heart		Inflammation	Acute, Moderate
Kidney	Cortex	Infarct	Marked
		Inflammation	Chronic, Mild
Lymph Node	Mandibular	Congestion	Mild
	Mesenteric	Congestion	Marked
Note: CONGESTION TGLs = 6-4			
Note: CONGESTION TGLs = 3-4			
Salivary Glands		Inflammation	Chronic, Minimal
Skin	Subcut Tiss	Hemorrhage	Marked
	Subcut Tiss	Inflammation	Subacute, Moderate
	Subcut Tiss	Sarcoma	
Note: HEMORRHAGE TGLs = 7-8			
Note: SARCOMA TGLs = 1-10,2-10			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 5 **TRT#:** 3 **SEX:** Male **DAY ON TEST:** 634
DOSE: 100MG/KG **DISP:** Dead **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Inflammation	Chronic, Mild
Liver		Cytomegaly	Minimal
		Syncytial Alteration	Mild
Lymph Node	Mesenteric	Congestion	Marked
	Axillary	Hyperplasia	Plasma Cell, Marked
		Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 11-4			
Note: CONGESTION TGLs = 10-14			
Note: HYPERPLASIA TGLs = 9-13			
Mesentery	Fat	Necrosis	Focal, Marked
Note: NECROSIS TGLs = 7-12			
Skin		Acanthosis	Moderate
		Alopecia	
		Alopecia	
		Ulcer	Marked
		Ulcer	Marked
		Ulcer	Marked
Note: ALOPECIA TGLs = 4-10			
Note: ULCER TGLs = 2-8			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 5	TRT#: 3	SEX: Male	DAY ON TEST: 634
	DOSE: 100MG/KG	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ULCER TGLs = 1-10
Note: ACANTHOSIS TGLs = 3-11
Note: ULCER TGLs = 3-11
Note: ALOPECIA TGLs = 5-11

Spleen	Hematopoietic Cell Proliferation	Marked
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PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 6	TRT#: 1 DOSE: VEHICLE CONTROL	SEX: Male DISP: Dead	DAY ON TEST: 347 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mandibular	Mammary Gland
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AUTO PRECLUDES DIAG.

Gallbladder	Intestine Large	Intestine Small
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OBSERVATIONS

Preputial Gland	Inflammation	Chronic, Mild
Prostate	Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydroquinone

CAS Number: 123-31-9

Date Report Requested: 10/19/2014

Time Report Requested: 22:01:47

First Dose M/F: NA / NA

Lab: AM BIO

ANIMAL ID: 6

TRT#: 2

SEX: Male

DAY ON TEST: 731

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Spleen

OBSERVATIONS

Liver Hepatocellular Adenoma

[Hepatocellular Adenoma TGLS = 1-2]

Thyroid Gland Follicular Cel Hyperplasia Mild

PRIMARY CAUSE OF DEATH -

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 6	TRT#: 3	SEX: Male	DAY ON TEST: 730
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Epididymis	Lymph Node - Mesenteric	Mammary Gland
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OBSERVATIONS

Kidney		Inflammation	Chronic, Minimal
Liver		Anisokaryosis	Minimal
Pancreas		Inflammation	Chronic, Minimal
Tooth	Peridont Tiss	Inflammation	Suppurative, Mild
Urinary Bladder	Submucosa	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 7	TRT#: 1 DOSE: VEHICLE CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Moderate
Gallbladder		Lymphoma Malignant Lymphocytic	
Intestine Small	Ileum	Lymphoma Malignant Lymphocytic	
Kidney		Lymphoma Malignant Lymphocytic	
Liver		Hepatocellular Carcinoma	
		Lymphoma Malignant Lymphocytic	
Note: HEPATOCLR CARC	TGLs = 5-2		
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
		Lymphoma Malignant Lymphocytic	
Lymph Node	Mandibular	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
	Renal	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP	TGLs = 2-10,3-10		
Note: LYMPH MAL LYMP	TGLs = 4-4		
Salivary Glands		Lymphoma Malignant Lymphocytic	
Skin		Fibroma	
	Subcut Tiss	Lymphoma Malignant Lymphocytic	
Note: FIBROMA	TGLs = 1-8		
Spleen		Lymphoma Malignant Lymphocytic	
Tooth	Peridont Tiss, Pulp	Abscess	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 7	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

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

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Moderate
Kidney		Inflammation	Chronic, Minimal
Liver		Mixed Cell Focus	
Note: MIXED CL FOCUS TGLs = 1-11			
Salivary Glands		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 8	TRT#: 2	SEX: Male	DAY ON TEST: 731
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Spleen

OBSERVATIONS

Liver Hepatocellular Adenoma

[Hepatocellular Adenoma TGLS = 1-2]

Thyroid Gland Inflammation Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 8	TRT#: 3 DOSE: 100MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Inflammation	Chronic, Mild
Liver		Cytomegaly	Mild
		Eosinophilic Focus	
Note: EOSIN FOCUS	TGLs = 5-12		
Lung		Alveolar/Bronchiolar Carcinoma	
		Hyperplasia	Macrophage, Marked
Note: HYPERPLASIA	TGLs = 2-3		
Note: ALV BRON CARC	TGLs = 1-10,3-10		
Lymph Node		Mesenteric	
		Congestion	Marked
Note: CONGESTION	TGLs = 4-4		
Pituitary Gland		Pars Distalis	
		Hyperplasia	Focal, Moderate
Salivary Glands		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 9	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Focal, Moderate
Brain		Mineralization	Minimal
Intestine Small	Ileum	Adenocarcinoma	
Note: ADENOCARC TGLs = 1-6			
Kidney		Inflammation	Chronic, Mild
Liver		Hepatocellular Adenoma	
		Mixed Cell Focus	
Note: HEPATOCLR ADEN TGLs = 2-2			
Preputial Gland		Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 3-10			
Skin		Inflammation	Chronic, Moderate
	Subcut Tiss	Neurofibroma	
Note: INFLAMMATION TGLs = 4-11			
Testes		Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 9	TRT#: 2 DOSE: 50 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Spleen	Thyroid Gland
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OBSERVATIONS

Bone Note: HYPEROSTOSIS TGLs = 5-10	Joint, Tarsal	Hyperostosis	
Liver Note: HEPATOCLR ADEN TGLs = 1-2,2-2,3-2,4-2		Hepatocellular Adenoma	Multiple

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 9	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Pituitary Gland		
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OBSERVATIONS

Harderian Gland		Adenoma	
Note: ADENOMA	TGLs = 3-10		
Kidney		Inflammation	Chronic, Mild
Liver		Anisokaryosis	Minimal
		Fatty Change	Mild
		Syncytial Alteration	Mild
Lymph Node	Mesenteric	Congestion	Marked
Note: CONGESTION	TGLs = 2-4		
Salivary Glands		Inflammation	Chronic, Mild
Urinary Bladder	Submucosa	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 10	TRT#: 2 DOSE: 50 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Spleen	Thyroid Gland
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OBSERVATIONS

Liver		Hepatocellular Carcinoma Hyperplasia	Lymphoid, Minimal
Note: HYPERPLASIA TGLs = 5-12 [Hepatocellular Carcinoma TGLS = 3-10,4-11]			
Skin	Subcut Tiss	Inflammation Ulcer	Suppurative, Marked Marked
Note: INFLAMMATION TGLs = 2-8 Note: ULCER TGLs = 1-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 10

TRT#: 3

SEX: Male

DAY ON TEST: 625

DOSE: 100MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Brain		Mineralization	Minimal
Intestine Small	Ileum, Peyers Patch	Hyperplasia	Lymphoid, Marked
	Ileum, Mucosa	Necrosis	Marked
Note: NECROSIS	TGLs = 4-6		
Liver		Syncytial Alteration	Moderate
Lymph Node		Inflammation	Acute, Marked
Mesentery		Inflammation	Acute, Marked
Note: INFLAMMATION	TGLs = 5-4		
Pancreas	Serosa	Inflammation	Acute, Moderate
Prostate	Serosa	Inflammation	Acute, Mild
Seminal Vesicle	Serosa	Inflammation	Acute, Mild
Stomach	Forestomach	Acanthosis	Marked
	Forestomach	Ulcer	Marked
	Glandular	Ulcer	Moderate
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
		Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 698

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Heart		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Kidney		Inflammation	Chronic, Mild
Liver		Cyst	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
Note: CYST MULTILOC	TGLs = 5-2		
Note: HEPATOCLR ADEN	TGLs = 4-2		
Note: HEPATOCLR ADEN	TGLs = 1-10		
Note: HEPATOCLR CARC	TGLs = 2-10		
Note: HEPATOCLR ADEN	TGLs = 9-14		
Note: HEPATOCLR ADEN	TGLs = 3-10		
Lung		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC	TGLs = 6-3		
Mesentery		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Salivary Glands		Inflammation	Chronic, Minimal
Skeletal Muscle	Intercostal	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Note: ALV BRON CARC	TGLs = 8-11		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 698

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 11

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Intestine Small Note: LYMPH MAL LYMP TGLs = 2-6,3-6	Ileum, Jejunum	Lymphoma Malignant Lymphocytic	
Kidney		Inflammation	Chronic, Minimal
Liver		Cytomegaly	Minimal
		Syncytial Alteration	Mild
Lung Note: ALV BRON ADEN TGLs = 5-3		Alveolar/Bronchiolar Adenoma	
Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Marked
	Mesenteric	Lymphoma Malignant Lymphocytic	
	Renal	Lymphoma Malignant Lymphocytic	
	Note: LYMPH MAL LYMP TGLs = 1-10,1-11		
	Note: LYMPH MAL LYMP TGLs = 4-4		
Salivary Glands		Inflammation	Chronic, Minimal
Skin Note: ULCER TGLs = 6-12		Ulcer	Marked
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 12	TRT#: 1	SEX: Male	DAY ON TEST: 605
	DOSE: VEHICLE CONTROL	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Thymus
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AUTO PRECLUDES DIAG.

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

OBSERVATIONS

Bone Note: HYPEROSTOSIS TGLs = 3-9	Joint, Tarsal	Hyperostosis	
Kidney		Inflammation	Chronic, Moderate
Liver Note: HEPATOCLR CARC TGLs = 1-2		Hepatocellular Carcinoma	
Skin Note: ULCER TGLs = 2-8		Ulcer	Minimal
Spleen Note: HEMA CELL PROL TGLs = 4-2		Hematopoietic Cell Proliferation	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 12	TRT#: 3	SEX: Male	DAY ON TEST: 731
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Bone	Joint, Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 3-9			
Kidney		Inflammation	Chronic, Moderate
Liver		Hepatocellular Carcinoma	
		Inflammation	Chronic, Moderate
Note: HEPATOCLR CARC TGLs = 4-2			
Lung		Hemorrhage	Mild
Note: HEMORRHAGE TGLs = 5-12			
Salivary Glands		Inflammation	Chronic, Minimal
Skin		Atrophy	Moderate
Note: ATROPHY TGLs = 1-10			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 2-2			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 694

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Prostate	Seminal Vesicle	Skin
Spinal Cord	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Bone		Osteosarcoma	
Note: OSTEOSARC	TGLs = 1-8		
Heart		Inflammation	Chronic, Minimal
Kidney		Inflammation	Chronic, Moderate
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN	TGLs = 6-2		
Lymph Node	Lumbar	Congestion	Moderate
	Mesenteric	Congestion	Moderate
	Mediastinal	Hyperplasia	Moderate
Note: CONGESTION	TGLs = 5-10		
Note: CONGESTION	TGLs = 4-4		
Note: HYPERPLASIA	TGLs = 7-4		
Mesentery	Fat	Necrosis	Focal, Marked
Note: NECROSIS	TGLs = 2-1-		
Salivary Glands		Inflammation	Chronic, Minimal
Thyroid Gland	Follicular Cel	Adenoma	
Note: ADENOMA	TGLs = 8-4		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 13

TRT#: 2

SEX: Male

DAY ON TEST: 731

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Thyroid Gland

OBSERVATIONS

Adrenal Gland

Capsule

Lymphoma Malignant Lymphocytic

Medulla

Pheochromocytoma Benign

Bone

Joint, Tarsal

Hyperostosis

Note: HYPEROSTOSIS TGLs = 1-10

Liver

Eosinophilic Focus

Note: EOSIN FOCUS TGLs = 9-16

Lung

Congestion

Moderate

Note: CONGESTION TGLs = 8-3

Lymph Node

Lumbar

Lymphoma Malignant Lymphocytic

Mediastinal

Lymphoma Malignant Lymphocytic

Mesenteric

Lymphoma Malignant Lymphocytic

Pancreatic

Lymphoma Malignant Lymphocytic

Renal

Lymphoma Malignant Lymphocytic

Note: LYMPH MAL LYMP TGLs = 2-6

Note: LYMPH MAL LYMP TGLs = 3-4

Note: LYMPH MAL LYMP TGLs = 6-13

Note: LYMPH MAL LYMP TGLs = 7-14

Note: LYMPH MAL LYMP TGLs = 4-11,5-12

Spleen

Hematopoietic Cell Proliferation

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 13 **TRT#:** 3 **SEX:** Male **DAY ON TEST:** 730
DOSE: 100MG/KG **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Inflammation	Chronic, Mild
Liver		Hepatocellular Adenoma	
		Syncytial Alteration	Minimal
Note: HEPATOCLR ADEN TGLs = 1-2,1-11			
Lymph Node	Mesenteric	Congestion	Moderate
Note: CONGESTION TGLs = 2-4			
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Skin	Dermis	Inflammation	Chronic, Moderate
		Ulcer	Mild
		Ulcer	Marked
Note: INFLAMMATION TGLs = 4-12			
Note: ULCER TGLs = 4-12			
Note: ULCER TGLs = 3-10			

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Kidney		Inflammation	Chronic, Mild
Liver		Basophilic Focus	
		Syncytial Alteration	Minimal
Note: BASOPH FOCUS	TGLs = 3-2		
Note: BASOPH FOCUS	TGLs = 2-2		
Salivary Glands		Inflammation	Chronic, Mild
Thyroid Gland	Follicular Cel	Adenoma	
Note: ADENOMA	TGLs = 1-4,1-10		
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 14	TRT#: 2	SEX: Male	DAY ON TEST: 218
	DOSE: 50 MG/KG	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Kidney	Liver	Lung
Lymph Node - Mandibular	Nose	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Testes	Thymus	Thyroid Gland	

MISSING

Lymph Node - Mesenteric	Mammary Gland
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AUTO PRECLUDES DIAG.

Intestine Large	Intestine Small	Islets, Pancreatic	Pancreas
Spleen	Stomach	Trachea	Urinary Bladder

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 14 **TRT#:** 3 **SEX:** Male **DAY ON TEST:** 526
DOSE: 100MG/KG **DISP:** Dead **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Kidney	Lung	Lymph Node - Mandibular
Nose	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Islets, Pancreatic	Lymph Node - Mesenteric	Mammary Gland	Thymus
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AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Pancreas	Spleen

OBSERVATIONS

Liver	Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 5-2		
Skin	Inflammation	Chronic, Marked
	Inflammation	Chronic, Moderate
	Ulcer	Marked
Note: INFLAMMATION TGLs = 1-10		
Note: ULCER TGLs = 3-10		
Note: INFLAMMATION TGLs = 2-10		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 15	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Kidney		Inflammation	Chronic, Mild
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC	TGLs = 1-8		
Tooth	Pulp	Abscess	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 15	TRT#: 2 DOSE: 50 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Spleen	Thyroid Gland
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OBSERVATIONS

Liver Note: HEPATOCLR ADEN TGLs = 1-2		Hepatocellular Adenoma	
Lymph Node Note: CONGESTION TGLs = 2-4	Mesenteric	Congestion	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 15

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mesenteric	Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Gallbladder		Lymphoma Malignant Mixed	
Kidney		Lymphoma Malignant Mixed	
Liver		Basophilic Focus	
		Lymphoma Malignant Mixed	
Lung		Lymphoma Malignant Mixed	
Lymph Node	Iliac	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD	TGLs = 2-10		
Pancreas		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD	TGLs = 3-4		
Prostate		Lymphoma Malignant Mixed	
Skin		Ulcer	Marked
Note: ULCER	TGLs = 5-14		
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
Tooth	Pulp	Abscess	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 555

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Subcapsular	Hyperplasia	Moderate
Kidney		Inflammation	Chronic, Mild
Liver		Syncytial Alteration	Minimal
Lymph Node	Axillary	Hyperplasia	Lymphoid, Marked
	Iliac	Hyperplasia	Lymphoid, Marked
	Lumbar	Hyperplasia	Lymphoid, Marked
	Mandibular	Hyperplasia	Lymphoid, Marked
	Mesenteric	Hyperplasia	Lymphoid, Marked
	Popliteal	Hyperplasia	Lymphoid, Marked

Note: HYPERPLASIA TGLs = 10-4
 Note: HYPERPLASIA TGLs = 13-11
 Note: HYPERPLASIA TGLs = 12-4
 Note: HYPERPLASIA TGLs = 6-11
 Note: HYPERPLASIA TGLs = 9-11
 Note: HYPERPLASIA TGLs = 7-11

Skin		Ulcer	Marked
		Ulcer	Marked

Note: ULCER TGLs = 4-10
 Note: ULCER TGLs = 2-8
 Note: ULCER TGLs = 1-8

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 16	TRT#: 1	SEX: Male	DAY ON TEST: 555
	DOSE: VEHICLE CONTROL	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ULCER	TGLs = 3-8		
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL	TGLs = 8-2		
Stomach		Glandular	Ulcer
			Moderate
Note: ULCER	TGLs = 11-6		
Urinary Bladder		Perivascular	Inflammation
			Chronic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 16	TRT#: 2	SEX: Male	DAY ON TEST: 688
	DOSE: 50 MG/KG	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Inflammation	Chronic, Minimal
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 10-17			
Lymph Node	Inguinal	Hyperplasia	Lymphoid, Moderate
Note: AXILLARY L.N. EXAMINED AND FOUND NORMAL.			
Note: HYPERPLASIA TGLs = 9-14			
Skin		Acanthosis	Moderate
		Atrophy	Moderate
	Subcut Tiss	Fibrosarcoma	
Note: ACANTHOSIS TGLs = 2-8			
Note: ATROPHY TGLs = 1-8			
Note: FIBROSARC TGLs = 4-10			
Note: FIBROSARC TGLs = 3-16			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 16

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Inflammation	Chronic, Mild
Liver		Basophilic Focus	
	Centrilobular	Degeneration	Ballooning, Moderate
		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 2-2			
Note: HEPATOCLR ADEN TGLs = 4-11			
Lymph Node	Mesenteric	Congestion	Marked
Note: CONGESTION TGLs = 3-4			
Preputial Gland		Inflammation	Chronic, Marked
Note: INFLAMMATION TGLs = 1-10			
Salivary Glands		Inflammation	Chronic, Mild
Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 17	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Kidney		Inflammation	Chronic, Minimal
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 1-2			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Note: HEPATOCLR CARC TGLs = 3-3			
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Marked
Note: HYPERPLASIA TGLs = 2-4			
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 17

TRT#: 2

SEX: Male

DAY ON TEST: 648

DOSE: 50 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Rectum	Islets, Pancreatic	Parathyroid Gland	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Pituitary Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Lymphoma Malignant Lymphocytic	
Brain		Lymphoma Malignant Lymphocytic	
Epididymis		Lymphoma Malignant Lymphocytic	
Intestine Large	Colon	Lymphoma Malignant Lymphocytic	
Intestine Small	Ileum	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 4-6			
Kidney		Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLs = 3-1]			
Liver		Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLs = 6-2]			
Lung	Alveolar Epith	Hyperplasia	Mild
Note: HYPERPLASIA TGLs = 7-3			
Lymph Node	Mandibular	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
	Thoracic	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 5-4			
Mesentery		Lymphoma Malignant Lymphocytic	
Nose	Mucosa	Lymphoma Malignant Lymphocytic	
Pancreas		Lymphoma Malignant Lymphocytic	
Prostate		Lymphoma Malignant Lymphocytic	
Seminal Vesicle		Lymphoma Malignant Lymphocytic	
Spleen		Lymphoma Malignant Lymphocytic	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 17

TRT#: 2

SEX: Male

DAY ON TEST: 648

DOSE: 50 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

[Lymphoma Malignant Lymphocytic TGLS = 2-2]

Testes

Lymphoma Malignant Lymphocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Harderian Gland		Adenoma	
Note: ADENOMA	TGLs = 3-11		
Kidney		Inflammation	Chronic, Mild
Liver		Hepatocellular Adenoma	
		Necrosis	Focal, Mild
Note: HEPATOCLR ADEN	TGLs = 2-2		
Note: NECROSIS	TGLs = 4-11		
Salivary Glands		Inflammation	Chronic, Mild
Skin	Dermis	Fibrosis	Marked
	Dermis	Inflammation	Chronic, Mild
Note: FIBROSIS	TGLs = 1-8		
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 18	TRT#: 2 DOSE: 50 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla
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OBSERVATIONS

Bone	Joint, Tarsal	Hyperostosis	
Note: HYPEROSTOSIS	TGLs = 1-10		
Liver		Focal Cellular Change	
Note: FOCAL CELL CH	TGLs = 2-12		
Spleen		Hematopoietic Cell Proliferation	Moderate
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 18 **TRT#:** 3 **SEX:** Male **DAY ON TEST:** 730
DOSE: 100MG/KG **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Inflammation	Chronic, Minimal
Liver		Basophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Syncytial Alteration	Minimal
Note: HEPATOCLR CARC	TGLs = 1-10		
Note: HEPATOCLR ADEN	TGLs = 2-11		
Lymph Node	Mesenteric	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP	TGLs = 3-12		
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 19	TRT#: 1 DOSE: VEHICLE CONTROL	SEX: Male DISP: Moribund	DAY ON TEST: 682 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Thymus		
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OBSERVATIONS

Epididymis		Inflammation	Chronic, Moderate
Kidney		Glomerulosclerosis	Marked
		Inflammation	Chronic, Moderate
Liver		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 3-2,4-2			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Lymph Node	Mesenteric	Congestion	Marked
Prostate		Inflammation	Chronic Active, Marked
Salivary Glands		Inflammation	Chronic, Minimal
Skin		Acanthosis	Moderate
Note: ACANTHOSIS TGLs = 1-8			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 2-2			
Urinary Bladder	Submucosa	Inflammation	Chronic, Moderate

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 19	TRT#: 2 DOSE: 50 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Liver	Spleen
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Moderate
Ear	Pinna	Histiocytic Sarcoma	
Note: HISTIO SARC TGLs = 1-10			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 19	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Inflammation	Chronic, Mild
Liver		Infarct	Marked
		Syncytial Alteration	Minimal
Note: INFARCT	TGLs = 2-2		
Lymph Node	Mesenteric	Congestion	Marked
	Mandibular	Hyperplasia	Plasma Cell, Marked
Note: CONGESTION	TGLs = 3-4		
Salivary Glands		Inflammation	Chronic, Mild
Skin		Ulcer	Marked
Note: ULCER	TGLs = 1-8		
Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 20 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 729
DOSE: VEHICLE CONTROL **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Brain	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
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	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Trachea		

MISSING

Intestine Large - Colon	Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Bone	Joint, Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-9			
Kidney		Glomerulosclerosis	Moderate
		Inflammation	Chronic, Mild
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 2-2,2-10			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Salivary Glands		Inflammation	Chronic, Mild
Skin	Artery, Subcut Tiss	Inflammation	Chronic, Marked
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 20	TRT#: 2	SEX: Male	DAY ON TEST: 465
	DOSE: 50 MG/KG	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Kidney	Inflammation	Chronic, Mild
Liver	Hepatocellular Adenoma	
	Hepatocellular Carcinoma	
Note: HEPATOCLR ADEN TGLs = 2-2		
Note: HEPATOCLR CARC TGLs = 3-2		
Salivary Glands	Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 20

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mesenteric	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Moderate
Epididymis		Inflammation	Chronic, Moderate
Kidney		Glomerulosclerosis	Marked
		Inflammation	Chronic, Moderate
[Glomerulosclerosis TGLS = 2-1]			
Liver		Anisokaryosis	Minimal
Lung		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC TGLs = 1-3			
Mesentery	Fat	Inflammation	Chronic, Moderate
Prostate		Inflammation	Chronic, Minimal
Salivary Glands		Concretion	Chronic, Mild
Urinary Bladder	Submucosa	Inflammation	Chronic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 21	TRT#: 1	SEX: Male	DAY ON TEST: 408
	DOSE: VEHICLE CONTROL	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mandibular	Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Kidney		Calculus Micro Observation Only	
Liver		Syncytial Alteration	Minimal
Preputial Gland		Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 1-10			
Skin	Subcut Tiss	Inflammation	Suppurative, Marked
Urethra	Proximal	Inflammation	Suppurative, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 21	TRT#: 2	SEX: Male	DAY ON TEST: 730
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla
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OBSERVATIONS

Liver		Cyst Hepatocellular Adenoma	Marked
Note: CYST TGLs = 2-2 [Hepatocellular Adenoma TGLS = 3-2]			
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC TGLs = 1-8			
Spleen		Hematopoietic Cell Proliferation	Marked
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 21

TRT#: 3

SEX: Male

DAY ON TEST: 330

DOSE: 100MG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Heart	Pericardium	Lymphoma Malignant Histiocytic	
Kidney		Lymphoma Malignant Histiocytic	
Liver		Lymphoma Malignant Histiocytic	
Lung		Lymphoma Malignant Histiocytic	
Lymph Node	Mandibular	Lymphoma Malignant Histiocytic	
	Mesenteric	Lymphoma Malignant Histiocytic	
	Thoracic	Lymphoma Malignant Histiocytic	
	Thoracic	Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST	TGLs = 1-4		
Note: LYMPH MAL HIST	TGLs = 2-4		
Mesentery		Lymphoma Malignant Histiocytic	
Salivary Glands		Inflammation	Chronic, Mild
		Lymphoma Malignant Histiocytic	
Spleen		Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST	TGLs = 3-2		
Note: LYMPH MAL HIST	TGLs = 2		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 22	TRT#: 2	SEX: Male	DAY ON TEST: 729
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla

Testes

OBSERVATIONS

Adrenal Gland

Medulla

Hyperplasia

Focal, Moderate

Bone

Joint, Tarsal

Hyperostosis

Note: HYPEROSTOSIS TGLs = 4-10

Liver

Hepatocellular Carcinoma

[Hepatocellular Carcinoma TGLS = 5-2]

Lymph Node

Mesenteric

Congestion

Moderate

Note: CONGESTION TGLs = 3-4

Preputial Gland

Inflammation

Suppurative, Marked

Note: INFLAMMATION TGLs = 1-11

Spleen

Hematopoietic Cell Proliferation

Moderate

Thyroid Gland

Follicular Cel

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 22	TRT#: 3	SEX: Male	DAY ON TEST: 680
	DOSE: 100MG/KG	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Thymus
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AUTO PRECLUDES DIAG.

Gallbladder	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Ileum
Intestine Small - Jejunum			

OBSERVATIONS

Epididymis	Inflammation	Chronic, Moderate
Liver	Syncytial Alteration	Minimal
Lung	Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC TGLs = 2-3		
Lymph Node	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Salivary Glands	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 23	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Ectopic Tissue	
Kidney		Inflammation	Chronic, Minimal
Lung		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC	TGLs = 3-3		
Salivary Glands		Inflammation	Chronic, Minimal
Seminal Vesicle		Dilatation	Marked
Note: DILATATION	TGLs = 1-5,2-5		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 23	TRT#: 2 DOSE: 50 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Thyroid Gland

OBSERVATIONS

Liver

Basophilic Focus

Lung

Congestion

Moderate

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

Spleen

Lymphoma Malignant Mixed

Note: LYMPH MAL MIXD TGLs = 1-2

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 23	TRT#: 3	SEX: Male	DAY ON TEST: 681
	DOSE: 100MG/KG	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Kidney		Nephropathy	Marked
Liver		Hepatocellular Carcinoma	
		Syncytial Alteration	Minimal
Note: HEPATOCLR CARC TGLs = 1-2			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Salivary Glands		Inflammation	Chronic, Minimal
Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:47
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 24	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
Kidney		Inflammation	Chronic, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Salivary Glands		Inflammation	Chronic, Minimal
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Urinary Bladder	Submucosa	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 24	TRT#: 2	SEX: Male	DAY ON TEST: 730
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Liver
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OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Focal, Moderate
Lung		Alveolar/Bronchiolar Carcinoma	
	[Alveolar/Bronchiolar Carcinoma TGLS = 2-3]		
Lymph Node	Mesenteric Iliac	Congestion	Marked
		Hyperplasia	Plasma Cell, Marked
Note: HYPERPLASIA	TGLs = 5-10		
Note: CONGESTION	TGLs = 4-4		
Skin		Ulcer	Marked
Note: ULCER	TGLs = 1-8		
Spleen		Hematopoietic Cell Proliferation	Marked
	[Hematopoietic Cell Proliferation TGLS = 3-2]		
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 24 **TRT#:** 3 **SEX:** Male **DAY ON TEST:** 731
DOSE: 100MG/KG **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Intestine Large Note: CARCIND TM BGN TGLs = 3-10	Rectum, Serosa	Carcinoid Tumor Benign	
Kidney		Inflammation	Chronic, Mild
Liver		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
		Syncytial Alteration	Minimal
Note: HEPATOCLR ADEN TGLs = 2-2 Note: HEPATOCLR ADEN TGLs = 1-2			
Salivary Glands		Inflammation	Chronic, Mild
Thyroid Gland	Follicular Cel Follicle	Hyperplasia Inflammation	Mild Acute, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 25	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Liver	Lung	Lymph Node - 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	Thymus
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OBSERVATIONS

Kidney		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Salivary Glands		Inflammation	Chronic, Mild
Tooth	Pulp	Necrosis	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 25	TRT#: 2	SEX: Male	DAY ON TEST: 730
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Liver	Spleen	Thyroid Gland
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OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign
Lung		Alveolar/Bronchiolar Adenoma
		Alveolar/Bronchiolar Carcinoma

[Alveolar/Bronchiolar Carcinoma TGLS = 1-3]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 26	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Inflammation	Chronic, Mild
Liver		Syncytial Alteration	Minimal
Salivary Glands		Inflammation	Chronic, Mild
Urinary Bladder	Submucosa	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 26	TRT#: 2	SEX: Male	DAY ON TEST: 731
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Liver	Thyroid Gland
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MISSING

Adrenal Gland - Medulla

OBSERVATIONS

Harderian Gland		Adenoma
Note: ADENOMA	TGLs = 2-8	
Spleen		Lymphoma Malignant Lymphocytic
[Lymphoma Malignant Lymphocytic TGLS = 1-2]		

PRIMARY CAUSE OF DEATH -

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 26 **TRT#:** 3 **SEX:** Male **DAY ON TEST:** 731
DOSE: 100MG/KG **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Pituitary Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
Kidney		Inflammation	Chronic, Mild
Liver		Fatty Change	Mild
		Hepatocellular Adenoma	
		Syncytial Alteration	Minimal
Note: HEPATOCLR ADEN TGLs = 1-2			
Prostate		Inflammation	Chronic, Minimal
Salivary Glands		Inflammation	Chronic, Minimal
Testes	Germinal Epith	Degeneration	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 630

DOSE: VEHICLE CONTROL

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Heart	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Spinal Cord	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Thymus
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AUTO PRECLUDES DIAG.

Gallbladder	Intestine Large	Intestine Small
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OBSERVATIONS

Bone	Joint, Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 11-9			
Kidney		Inflammation	Chronic, Minimal
Liver		Lymphoma Malignant Histiocytic	
		Necrosis	Marked
Note: LYMPH MAL HIST TGLs = 7-2			
Note: NECROSIS TGLs = 8-2			
Lymph Node	Iliac	Lymphoma Malignant Histiocytic	
	Mesenteric	Lymphoma Malignant Histiocytic	
	Pancreatic	Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST TGLs = 5-13			
Note: LYMPH MAL HIST TGLs = 2-4			
Note: LYMPH MAL HIST TGLs = 4-12			
Skin		Atrophy	Moderate
	Subcut Tiss	Edema	Marked
		Ulcer	Mild
Note: ULCER TGLs = 1-8			
Note: ATROPHY TGLs = 1-8			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 630

DOSE: VEHICLE CONTROL

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: EDEMA TGLs = 9-10

Spleen

Hematopoietic Cell Proliferation

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 27	TRT#: 2 DOSE: 50 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Spleen	Thyroid Gland
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OBSERVATIONS

Bone Note: HYPEROSTOSIS TGLs = 1-10		Hyperostosis	
Liver Note: HEPATOCLR ADEN TGLs = 5-2 Note: HEPATOCLR ADEN TGLs = 7-12		Hepatocellular Adenoma	Multiple
Lung Note: ALV BRON ADEN TGLs = 6-3		Alveolar/Bronchiolar Adenoma	
Preputial Gland Note: INFLAMMATION TGLs = 3-8 Note: ECTASIA TGLs = 3-8	Duct	Ectasia Inflammation	Marked Chronic, Marked
Skin Note: SARCOMA TGLs = 4-8	Subcut Tiss	Sarcoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 27

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Kidney	Inflammation	Chronic, Mild
Liver	Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 1-2		
Lung	Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 2-3		
Pancreas	Inflammation	Chronic, Minimal
Prostate	Inflammation	Chronic, Mild
Salivary Glands	Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 28	TRT#: 2	SEX: Male	DAY ON TEST: 656
	DOSE: 50 MG/KG	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Adrenal Gland	Mammary Gland
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AUTO PRECLUDES DIAG.

Gallbladder	Intestine Small
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OBSERVATIONS

Kidney	Inflammation	Chronic, Minimal
Liver	Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 5-11		
Note: HEPATOCLR CARC TGLs = 2-2,3-2		
Preputial Gland	Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 1-10		
Salivary Glands	Inflammation	Chronic, Mild
Tissue NOS	Carcinoma	
Note: TISSUE NOS IS HEPATOCELLULAR CARC		
Note: CARCINOMA TGLs = 5-11		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 28

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Intestine Small	Ileum	Lymphoma Malignant Lymphocytic	
Kidney		Inflammation	Chronic, Mild
Liver		Anisokaryosis	Minimal
		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 3-2			
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 2-3			
Lymph Node	Mandibular	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Salivary Glands		Inflammation	Chronic, Mild
Skin	Subcut Tiss	Lymphoma Malignant Lymphocytic	
Thymus		Lymphoma Malignant Lymphocytic	
Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 29	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Liver	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

Kidney		Inflammation	Chronic, Minimal
Lung		Alveolar/Bronchiolar Adenoma	Multiple
Note: ALV BRON ADEN	TGLs = 2-3,3-3		
Prostate		Inflammation	Chronic, Minimal
Salivary Glands		Inflammation	Chronic, Minimal
Tooth	Pulp	Abscess	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 29	TRT#: 2	SEX: Male	DAY ON TEST: 691
	DOSE: 50 MG/KG	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Gallbladder	Mammary Gland	Thymus
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OBSERVATIONS

Kidney	Inflammation	Chronic, Moderate	
Liver	Hepatocellular Carcinoma		
Note: HEPATOCLR CARC TGLs = 1-2			
Mesentery	Inflammation	Chronic, Moderate	
Prostate	Inflammation	Chronic, Marked	
Salivary Glands	Inflammation	Chronic, Mild	
Urinary Bladder	Submucosa	Inflammation	Chronic, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 29	TRT#: 3	SEX: Male	DAY ON TEST: 663
	DOSE: 100MG/KG	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Colon	Intestine Large - Rectum	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	Trachea	Urinary Bladder

MISSING

Mammary Gland	Thymus
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AUTO PRECLUDES DIAG.

Gallbladder	Intestine Large - Cecum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum			

OBSERVATIONS

Kidney		Inflammation	Chronic, Mild
Liver		Hemangioma	
		Necrosis	Marked
Note: HEMANGIOMA TGLs = 1-2			
Thyroid Gland	Follicular Cel	Adenoma	
Note: ADENOMA TGLs = 2-4			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 30	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Inflammation	Chronic, Minimal
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN	TGLs = 3-2		
Mesentery		Hemorrhage	Moderate
Note: HEMORRHAGE	TGLs = 2-10		
Preputial Gland		Inflammation	Chronic, Moderate
Note: INFLAMMATION	TGLs = 1-11		
Salivary Glands		Inflammation	Chronic, Mild
Thyroid Gland	Follicle	Cyst	Multiple

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 30	TRT#: 2 DOSE: 50 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Liver	Spleen
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OBSERVATIONS

Preputial Gland Note: INFLAMMATION TGLs = 1-8		Inflammation	Suppurative, Marked
Thyroid Gland	Follicular Cel	Hyperplasia Inflammation	Minimal Suppurative, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 30 **TRT#:** 3 **SEX:** Male **DAY ON TEST:** 729
DOSE: 100MG/KG **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
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

Lymph Node - Mandibular	Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Bone	Joint, Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-9			
Kidney		Inflammation	Chronic, Minimal
Liver		Basophilic Focus	
Note: BASOPH FOCUS TGLs = 3-2			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 31 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 684
DOSE: VEHICLE CONTROL **DISP:** Dead **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Thymus
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AUTO PRECLUDES DIAG.

Gallbladder	Intestine Small
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OBSERVATIONS

Kidney		Calculus Micro Observation Only	
Lymph Node	Mesenteric	Congestion	Marked
	Pancreatic	Congestion	Marked
Note: CONGESTION TGLs = 7-10			
Note: ILIAC LYMPH NODE WAS EXAMINED AND FOUND NORMAL.			
Note: CONGESTION TGLs = 6-4			
Salivary Glands		Inflammation	Chronic, Mild
Skin		Acanthosis	Moderate
Note: ACANTHOSIS TGLs = 4-8			
Urinary Bladder	Submucosa	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 31	TRT#: 2 DOSE: 50 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin	Spleen	Thyroid Gland
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OBSERVATIONS

Adrenal Gland	Medulla Cortex, Spindle Cell, Subcapsular	Pheochromocytoma Benign Proliferation Hyperostosis	Marked
Bone Note: HYPEROSTOSIS TGLs = 4-11			
Liver Note: HEPATOCLR CARC TGLs = 3-10		Anisokaryosis Hepatocellular Carcinoma	Minimal
Lung Note: ALV BRON ADEN TGLs = 2-3	Alveolus	Alveolar/Bronchiolar Adenoma Hyperplasia	Macrophage, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 31	TRT#: 3	SEX: Male	DAY ON TEST: 730
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Inflammation	Chronic, Moderate
Mesentery		Inflammation	Chronic, Mild
Pancreas	Acinus	Vacuolization Cytoplasmic	Moderate
Salivary Glands		Inflammation	Chronic, Mild
Spleen		Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 1-2			
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 32	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Marked
Kidney		Inflammation	Chronic, Minimal
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 2-3			
Salivary Glands		Inflammation	Chronic, Mild
Skin		Squamous Cell Papilloma	
Note: PAPHILLOMA SQUA TGLs = 1-8			
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Urinary Bladder	Submucosa	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 32	TRT#: 2	SEX: Male	DAY ON TEST: 416
	DOSE: 50 MG/KG	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Thymus
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AUTO PRECLUDES DIAG.

Gallbladder	Intestine Large - Cecum	Intestine Small - Ileum	Intestine Small - Jejunum
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PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 32	TRT#: 3 DOSE: 100MG/KG	SEX: Male DISP: Dead	DAY ON TEST: 642 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Thymus
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AUTO PRECLUDES DIAG.

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

OBSERVATIONS

Kidney	Renal Tubule	Mineralization	Mild
Liver		Hepatocellular Carcinoma	
		Necrosis	Marked
		Syncytial Alteration	Mild
Note: HEPATOCLR CARC TGLs = 5-2			
Note: NECROSIS TGLs = 5-12			
Lymph Node	Mesenteric	Congestion	Marked
Salivary Glands		Inflammation	Chronic, Minimal
Skin	Dermis, Dorsal	Atrophy	Moderate
	Dermis	Inflammation	Chronic, Mild
		Ulcer	Marked
Note: ATROPHY TGLs = 1-10			
Note: ULCER TGLs = 4-11			
Note: INFLAMMATION TGLs = 2-10			
Urethra	Proximal	Inflammation	Suppurative, Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 33 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 730
DOSE: VEHICLE CONTROL **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	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

Bone	Joint, Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 4-10			
Kidney		Inflammation	Chronic, Minimal
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 3-11			
Preputial Gland		Inflammation	Chronic, Marked
		Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 2-8			
Note: INFLAMMATION TGLs = 2-8			
Tooth	Peridont Tiss	Inflammation	Suppurative, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 33

TRT#: 2

SEX: Male

DAY ON TEST: 684

DOSE: 50 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Minimal
Intestine Small	Jejunum, Mucosa	Inflammation	Suppurative, Marked
Kidney		Inflammation	Chronic, Minimal
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 3-2			
Lymph Node	Mesenteric	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 2-4			
Salivary Glands		Inflammation	Chronic, Minimal
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 34	TRT#: 3	SEX: Male	DAY ON TEST: 657
	DOSE: 100MG/KG	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Gallbladder	Mammary Gland	Stomach - Forestomach	Thymus
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AUTO PRECLUDES DIAG.

Intestine Large - Colon

OBSERVATIONS

Kidney		Inflammation	Chronic, Mild
Liver		Syncytial Alteration	Mild
Prostate		Inflammation	Acute, Mild
Urethra	Distal	Concretion	Marked
	Distal	Inflammation	Suppurative, Mild

Note: CONCRETION TGLs = 1-5

Note: INFLAMMATION TGLs = 1-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 35	TRT#: 2 DOSE: 50 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Gallbladder

OBSERVATIONS

Bone
Note: HYPEROSTOSIS TGLs = 2-10

Joint, Tarsal

Hyperostosis

Liver
Skin
Note: FIBROMA TGLs = 3-11
Note: FIBROSARC TGLs = 1-8

Subcut Tiss
Subcut Tiss

Syncytial Alteration
Fibroma
Fibrosarcoma

Minimal

Spleen
Thyroid Gland

Follicular Cel

Hematopoietic Cell Proliferation
Hyperplasia

Marked
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 36	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
Kidney		Inflammation	Chronic, Minimal
Lung		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC	TGLs = 2-3		
Preputial Gland		Inflammation	Chronic, Marked
Note: INFLAMMATION	TGLs = 1-8		
Prostate		Inflammation	Chronic, Mild
Salivary Glands		Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 36 **TRT#:** 2 **SEX:** Male **DAY ON TEST:** 654
DOSE: 50 MG/KG **DISP:** Moribund **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Parathyroid Gland	Pituitary Gland	Thymus
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OBSERVATIONS

Kidney		Inflammation	Chronic, Minimal
Salivary Glands		Inflammation	Chronic, Minimal
Skin		Atrophy	Moderate
	Subcut Tiss	Fibrosarcoma	
Note: ATROPHY TGLs = 1-10			
Note: FIBROSARC TGLs = 2-11			
Note: FIBROSARC TGLs = 3-12			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 5-2			
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 37	TRT#: 2 DOSE: 50 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Spleen	Thyroid Gland
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OBSERVATIONS

Bone Note: HYPEROSTOSIS TGLs = 2-10	Joint, Tarsal	Hyperostosis
Liver [Hepatocellular Carcinoma TGLS = 1-2]		Hepatocellular Carcinoma
Lung [Alveolar/Bronchiolar Adenoma TGLS = 3-3]		Alveolar/Bronchiolar Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 37	TRT#: 3	SEX: Male	DAY ON TEST: 730
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Kidney		Inflammation	Chronic, Mild
Liver		Basophilic Focus	
		Eosinophilic Focus	
Note: EOSIN FOCUS	TGLs = 1-10		
Note: BASOPH FOCUS	TGLs = 1-10		
Note: BASOPH FOCUS	TGLs = 2-10		
Note: EOSIN FOCUS	TGLs = 2-10		
Salivary Glands		Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 38 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 729
DOSE: VEHICLE CONTROL **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Kidney	Inflammation	Chronic, Mild
Pancreas	Fibrosis	Focal, Moderate
	Hemorrhage	Focal, Moderate
Note: FIBROSIS TGLs = 2-6		
Note: HEMORRHAGE TGLs = 2-6		
Prostate	Inflammation	Chronic, Mild
Salivary Glands	Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 38	TRT#: 2 DOSE: 50 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Liver	Lung
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OBSERVATIONS

Bone Note: HYPEROSTOSIS TGLs = 2-10		Hyperostosis	
Skin Note: SARCOMA TGLs = 3-8	Subcut Tiss	Sarcoma	
Spleen		Hematopoietic Cell Proliferation	Marked
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 38

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mandibular	Mammary Gland
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OBSERVATIONS

Bone	Joint, Tarsal	Hyperostosis	
Note: HYPEROSTOSIS	TGLs = 4-10		
Kidney		Inflammation	Chronic, Minimal
Liver		Basophilic Focus	
		Syncytial Alteration	Minimal
Note: BASOPH FOCUS	TGLs = 3-2		
Lung		Alveolar/Bronchiolar Adenoma	Multiple
Note: ALV BRON ADEN	TGLs = 1-3		
Note: ALV BRON ADEN	TGLs = 2-3		
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

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

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Adrenal Gland - Medulla	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Focal, Mild
	Cortex	Hypertrophy	Focal, Mild
Bone	Joint, Tarsal	Hyperostosis	
Note: HYPEROSTOSIS	TGLs = 1-9		
Brain		Mineralization	Minimal
Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Chronic, Moderate
Note: ECTASIA	TGLs = 3-10		
Salivary Glands		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 39	TRT#: 2	SEX: Male	DAY ON TEST: 729
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Thymus	Thyroid Gland
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OBSERVATIONS

Bone	Joint, Tarsal	Hyperostosis
Note: HYPEROSTOSIS	TGLs = 10-15	
Liver		Eosinophilic Focus Hepatocellular Adenoma
[Hepatocellular Adenoma TGLS = 11-2]		
Lymph Node	Axillary	Lymphoma Malignant Mixed
	Axillary	Lymphoma Malignant Mixed
	Inguinal	Lymphoma Malignant Mixed
	Mandibular	Lymphoma Malignant Mixed
	Mediastinal	Lymphoma Malignant Mixed
	Mesenteric	Lymphoma Malignant Mixed
	Renal	Lymphoma Malignant Mixed
Note: LYMPH MAL MIXD	TGLs = 2-4	
Note: LYMPH MAL MIXD	TGLs = 1-4	
Note: LYMPH MAL MIXD	TGLs = 4-11	
Note: LYMPH MAL MIXD	TGLs = 9-4	
Note: LYMPH MAL MIXD	TGLs = 3-10	
Note: LYMPH MAL MIXD	TGLs = 5-12,6-13	
Note: LYMPH MAL MIXD	TGLs = 8-14	
Spleen		Lymphoma Malignant Mixed
Note: LYMPH MAL MIXD	TGLs = 7-2	

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 39

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Inflammation	Chronic, Mild
Lacrimal Gland	Extraorbital	Inflammation	Chronic, Moderate
Note: INFLAMMATION TGLs = 2-10			
Liver		Basophilic Focus	
		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 1-2			
Note: BASOPH FOCUS TGLs = 3-2			
Salivary Glands		Inflammation	Chronic, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
Urinary Bladder	Submucosa	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 40	TRT#: 2 DOSE: 50 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Thyroid Gland

OBSERVATIONS

Bone

Hyperostosis

Note: HYPEROSTOSIS TGLs = 2-10

Liver

Inflammation

Chronic, Mild

Skin

Subcut Tiss

Fibrosarcoma

Note: FIBROSARC TGLs = 1-8

Spleen

Hematopoietic Cell Proliferation

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 40	TRT#: 3	SEX: Male	DAY ON TEST: 697
	DOSE: 100MG/KG	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Parathyroid Gland	Thymus
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OBSERVATIONS

Kidney	Inflammation	Chronic, Minimal
Lung	Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC TGLs = 1-3		
Preputial Gland	Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 2-12		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 41	TRT#: 2	SEX: Male	DAY ON TEST: 729
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla
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OBSERVATIONS

Liver		Hemangiosarcoma	
		Hepatocellular Carcinoma	
Note: HEMANGIOSARC TGLs = 6-13			
Note: HEPATOCLR CARC TGLs = 3-2			
Lymph Node		Hyperplasia	Plasma Cell, Moderate
Note: HYPERPLASIA TGLs = 1-10			
Preputial Gland		Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 2-8			
Skin		Ulcer	Marked
Note: ULCER TGLs = 4-11,5-12			
Spleen		Hematopoietic Cell Proliferation	Marked
Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 41	TRT#: 3	SEX: Male	DAY ON TEST: 635
	DOSE: 100MG/KG	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine 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
Spinal Cord	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Gallbladder	Mammary Gland
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OBSERVATIONS

Brain		Mineralization	Minimal
Heart	Atrium Lft	Thrombosis	
Note: THROMBUS	TGLs = 4-3		
Kidney		Inflammation	Chronic, Mild
Liver		Anisokaryosis	Minimal
		Syncytial Alteration	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 42	TRT#: 1	SEX: Male	DAY ON TEST: 701
	DOSE: VEHICLE CONTROL	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Salivary Glands		Inflammation	Chronic, Minimal
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC TGLs = 1-10			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 3-2			
Testes		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 42	TRT#: 2 DOSE: 50 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Spleen

OBSERVATIONS

Bone

Joint, Tarsal

Hyperostosis

Note: HYPEROSTOSIS TGLs = 6-10

Intestine Small

Jejunum

Lymphoma Malignant Lymphocytic

Note: LYMPH MAL LYMP TGLs = 4-11

Liver

Basophilic Focus

Hepatocellular Adenoma

Multiple

Note: HEPATOCLR ADEN TGLs = 3-9

Note: HEPATOCLR ADEN TGLs = 7-14

Lymph Node

Pancreatic

Lymphoma Malignant Lymphocytic

Note: LYMPH MAL LYMP TGLs = 5-6

Skin

Subcut Tiss

Fibroma

Multiple

Note: FIBROMA TGLs = 1-8,2-8

Thyroid Gland

Follicular Cel

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 42 **TRT#:** 3 **SEX:** Male **DAY ON TEST:** 730
DOSE: 100MG/KG **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
Harderian Gland		Adenoma	
Note: ADENOMA TGLs = 5-12			
Kidney		Inflammation	Chronic, Mild
Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Marked
Note: HYPERPLASIA TGLs = 1-4			
Salivary Glands		Inflammation	Chronic, Minimal
Skin		Ulcer	Moderate
Note: ULCER TGLs = 4-11			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 635

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Harderian Gland		Adenoma	
Note: ADENOMA	TGLs = 8-10		
Liver		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 10-2]			
Lymph Node	Mesenteric	Congestion	Marked
	Inguinal	Cyst	
Note: CONGESTION	TGLs = 11-4		
Preputial Gland		Inflammation	Suppurative, Marked
Note: INFLAMMATION	TGLs = 2-5		
Skin	Subcut Tiss	Fibrosarcoma	
	Prepuce	Inflammation	Chronic, Marked
		Ulcer	Marked
		Ulcer	Marked
Note: FIBROSARC	TGLs = 5-11		
Note: ULCER	TGLs = 6-11		
Note: ULCER	TGLs = 3-12,4-12		
Note: INFLAMMATION	TGLs = 1-14		
Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 9-2]			
Stomach	Forestomach	Squamous Cell Papilloma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 635

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Urinary Bladder

Submucosa

Inflammation

Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 43	TRT#: 2	SEX: Male	DAY ON TEST: 731
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Spleen	Thyroid Gland
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OBSERVATIONS

Liver	Basophilic Focus	
Skin	Ulcer	Marked
Note: ULCER	TGLs = 1-11	

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 43 **TRT#:** 3 **SEX:** Male **DAY ON TEST:** 655
DOSE: 100MG/KG **DISP:** Dead **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Rectum	Intestine Small - Duodenum	Islets, Pancreatic	Lung
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

Gallbladder	Mammary Gland	Parathyroid Gland
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AUTO PRECLUDES DIAG.

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

Kidney	Inflammation	Chronic, Minimal
Liver	Anisokaryosis	Minimal
	Hemangiosarcoma	
Note: HEMANGIOSARC TGLs = 5-2		
Lymph Node		
Note: RENAL L.N. WAS OBSERVED AND WAS NORMAL.		
Preputial Gland	Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 2-8		
Prostate	Inflammation	Chronic, Minimal
Salivary Glands	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 44	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Pituitary Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
Kidney		Inflammation	Chronic, Mild
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 2-3			
Skin	Subcut Tiss	Fibroma	
Note: FIBROMA TGLs = 1-8			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 44	TRT#: 2 DOSE: 50 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Liver	Spleen
Thyroid Gland			

OBSERVATIONS

Bone	Joint, Tarsal	Hyperostosis
Note: HYPEROSTOSIS TGLs = 3-10		
Intestine Small	Ileum	Lymphoma Malignant Lymphocytic
Note: LYMPH MAL LYMP TGLs = 2-6		
Lung		Alveolar/Bronchiolar Adenoma Alveolar/Bronchiolar Carcinoma
Note: ALV BRON CARC TGLs = 4-3		
Note: ALV BRON ADEN TGLs = 5-12		
Lymph Node	Mesenteric	Lymphoma Malignant Lymphocytic
[Lymphoma Malignant Lymphocytic TGLS = 1-4]		

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 44	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Focal, Minimal
Bone	Joint, Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 3-10			
Kidney		Inflammation	Chronic, Moderate
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 2-2		Syncytial Alteration	Minimal
Salivary Glands		Inflammation	Chronic, Mild
Spleen		Hyperplasia	Lymphoid, Moderate
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 45	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Pituitary Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Kidney		Inflammation	Chronic, Mild
Salivary Glands		Inflammation	Chronic, Mild
Tooth	Peridont Tiss	Inflammation	Suppurative, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 45	TRT#: 2 DOSE: 50 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Spleen
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
Liver		Basophilic Focus	
		Hepatocellular Adenoma	
		Syncytial Alteration	Minimal

[Hepatocellular Adenoma TGLS = 3-2,4-2,5-2,6-2]

Lung		Alveolar/Bronchiolar Adenoma	
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Note: ALV BRON ADEN TGLs = 2-3

Skin		Acanthosis	Marked
		Ulcer	Marked

Note: ULCER TGLs = 1-8

Thyroid Gland	Follicular Cel	Hyperplasia	Mild
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PRIMARY CAUSE OF DEATH -

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 45

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Bone	Joint, Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 4-9			
Kidney		Inflammation	Chronic, Mild
Liver		Anisokaryosis	Minimal
		Hepatocellular Adenoma	Multiple
		Syncytial Alteration	Mild
Note: HEPATOCLR ADEN TGLs = 3-2			
Note: HEPATOCLR ADEN TGLs = 2-10			
Note: HEPATOCLR ADEN TGLs = 5-10			
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
Preputial Gland		Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 1-8			
Salivary Glands		Inflammation	Chronic, Mild
Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 46	TRT#: 2	SEX: Male	DAY ON TEST: 652
	DOSE: 50 MG/KG	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Gallbladder	Mammary Gland	Thymus
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OBSERVATIONS

Kidney		Nephropathy	Mild
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 2-2			
Lymph Node	Mesenteric	Congestion	Marked
Salivary Glands		Inflammation	Chronic, Mild
Skin		Atrophy	Moderate
Note: ATROPHY TGLs = 1-10			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 681

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Gallbladder	Mammary Gland	Pituitary Gland	Thymus
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OBSERVATIONS

Kidney		Inflammation	Suppurative, Marked
[Inflammation TGLS = 4-1]			
Mesentery		Inflammation	Acute, Marked
	Fat	Necrosis	Focal, Marked
[Necrosis TGLS = 8-2]			
Prostate		Inflammation	Chronic Active, Moderate
Skin	Subcut Tiss	Fibrosarcoma	
Note: INFLAMMATION TGLs = 6-10			
Note: FIBROSARC TGLs = 2-10			
Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 3-2]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 47	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Parathyroid Gland	Thymus	Thyroid Gland
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OBSERVATIONS

Kidney		Inflammation	Chronic, Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
Testes	Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1-5			
Urinary Bladder	Submucosa	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 48 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 731
DOSE: VEHICLE CONTROL **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland Thymus

OBSERVATIONS

Bone	Joint, Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 7-9			
Kidney		Nephropathy	Marked
		Nephropathy	Mild
Note: NEPHROPATHY TGLs = 3-1			
Note: NEPHROPATHY TGLs = 4-1			
Lymph Node	Mesenteric	Congestion	Moderate
	Renal	Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 6-10			
Note: ILIAC L.N. WAS EXAMINED AND FOUND NORMAL.			
Note: CONGESTION TGLs = 8-4			
Nose	Lumen, Turbinate	Inflammation	Suppurative, Minimal
Prostate		Inflammation	Chronic, Marked
Seminal Vesicle		Inflammation	Chronic, Moderate
Note: INFLAMMATION TGLs = 2-9			
Urethra	Distal	Inflammation	Chronic, Moderate
Urinary Bladder	Submucosa	Inflammation	Chronic, Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Nose
Parathyroid Gland	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea

MISSING

Mammary Gland	Pituitary Gland
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OBSERVATIONS

Bone	Joint, Tarsal	Hyperostosis
Note: HYPEROSTOSIS	TGLs = 16-9	
Kidney		Lymphoma Malignant Lymphocytic
Liver		Hemangiosarcoma
		Lymphoma Malignant Lymphocytic
Note: LYMPH MAL LYMP	TGLs = 14-10	
Note: HEMANGIOSARC	TGLs = 13-10	
Lung		Lymphoma Malignant Lymphocytic
Lymph Node	Bronchial	Lymphoma Malignant Lymphocytic
	Deep Cervical	Lymphoma Malignant Lymphocytic
	Iliac	Lymphoma Malignant Lymphocytic
	Inguinal	Lymphoma Malignant Lymphocytic
	Mandibular	Lymphoma Malignant Lymphocytic
	Mesenteric	Lymphoma Malignant Lymphocytic
	Pancreatic	Lymphoma Malignant Lymphocytic
	Renal	Lymphoma Malignant Lymphocytic
Note: LYMPH MAL LYMP	TGLs = 11-14	
Note: LYMPH MAL LYMP	TGLs = 7-17,8-17	
Note: LYMPH MAL LYMP	TGLs = 12-11	
Note: LYMPH MAL LYMP	TGLs = 9-16,10-16	
Note: LYMPH MAL LYMP	TGLs = 15-19	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LYMPH MAL LYMP TGLs = 2-13

Note: LYMPH MAL LYMP TGLs = 1-12

Note: LYMPH MAL LYMP TGLs = 5-15

Pancreas

Lymphoma Malignant Lymphocytic

Prostate

Lymphoma Malignant Lymphocytic

Salivary Glands

Lymphoma Malignant Lymphocytic

Spleen

Lymphoma Malignant Lymphocytic

Note: LYMPH MAL LYMP TGLs = 3-2

Thymus

Lymphoma Malignant Lymphocytic

Note: LYMPH MAL LYMP TGLs = 4-4

Urinary Bladder

Lymphoma Malignant Lymphocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 49	TRT#: 2 DOSE: 50 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Thyroid Gland
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OBSERVATIONS

Liver		Hepatocellular Adenoma
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Note: HEPATOCLR ADEN TGLs = 2-2

Skin	Subcut Tiss	Sarcoma
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Note: SARCOMA TGLs = 1-8

Spleen		Hematopoietic Cell Proliferation	Marked
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PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 49 **TRT#:** 3 **SEX:** Male **DAY ON TEST:** 649
DOSE: 100MG/KG **DISP:** Moribund **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Harderian Gland		Adenoma	
Note: ADENOMA	TGLs = 3-10		
Kidney		Inflammation	Chronic, Mild
Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Marked
Note: HYPERPLASIA	TGLs = 4-4		
Skin		Ulcer	Moderate
Note: ULCER	TGLs = 1-8		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	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	

MISSING

Mammary Gland

OBSERVATIONS

Bone	Joint, Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-9			
Kidney		Inflammation	Chronic, Mild
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 2-2			
Salivary Glands		Inflammation	Chronic, Minimal
Stomach	Forestomach	Squamous Cell Papilloma	
Note: PAPILLOMA SQUA TGLs = 3-6			
Urinary Bladder	Submucosa	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 50	TRT#: 2 DOSE: 50 MG/KG	SEX: Male DISP: Dead	DAY ON TEST: 547 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Intestine Large - Rectum
Lung	Lymph Node - Mandibular	Nose	Pituitary Gland
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Islets, Pancreatic Thymus	Mammary Gland	Pancreas	Parathyroid Gland
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AUTO PRECLUDES DIAG.

Gallbladder	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Lymph Node - Mesenteric	Spleen

OBSERVATIONS

Heart	Inflammation	Acute, Minimal
Kidney	Inflammation	Suppurative, Marked
Note: BY MASSIVE NUMBERS OF BACTERIA.		
Note: ALL AREAS OF SUPPURATIVE INFLAMMATION ARE ACCOMPANIED		
Liver	Autolysis	Marked
Note: AUTOLYSIS TGLs = 3-12		
Note: LIVER RESEMBLES A TUMOR BUT AUTOLYSIS PRECLUDES EVALUATION		
Lymph Node	Iliac	Moderate
Note: HYPERPLASIA TGLs = 2-11		
Note: LUMBAR L.N. WAS OBSERVED AND WAS NORMAL.		
Mesentery	Inflammation	Suppurative, Marked
Prostate	Inflammation	Suppurative, Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 50

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	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

MISSING

Mammary Gland

OBSERVATIONS

Intestine Small Note: HYPERPLASIA TGLs = 3-6	Jejunum	Hyperplasia	Lymphoid, Moderate
Kidney		Inflammation	Chronic, Mild
Liver Note: HEPATOCLR ADEN TGLs = 4-2 Note: HEPATOCLR ADEN TGLs = 5-2		Hepatocellular Adenoma Syncytial Alteration	Multiple Mild
Nose	Lumen, Turbinate	Inflammation	Suppurative, Moderate
Preputial Gland Note: ECTASIA TGLs = 1-8	Duct	Ectasia Inflammation	Marked Chronic, Minimal
Prostate		Inflammation	Chronic, Minimal
Salivary Glands		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 51	TRT#: 1	SEX: Male	DAY ON TEST: 648
	DOSE: VEHICLE CONTROL	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Thymus
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AUTO PRECLUDES DIAG.

Intestine Large	Intestine Small - Ileum
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OBSERVATIONS

Kidney		Inflammation	Chronic, Minimal
Liver		Fibrosarcoma	Metastatic (Skin)
		Necrosis	Marked
Note: NECROSIS TGLs = 3-2,4-2,5-2 [Necrosis TGLS = 6-10,7-2]			
Lymph Node	Mesenteric	Congestion	Marked
	Mesenteric	Inflammation	Acute, Marked
Note: CONGESTION TGLs = 11-4			
Skin		Fibrosarcoma	
Note: FIBROSARC TGLs = 10-11			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 1-2			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 51	TRT#: 2 DOSE: 50 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Thyroid Gland

Adrenal Gland - Medulla

Liver

Spleen

OBSERVATIONS

Bone
Note: HYPEROSTOSIS TGLs = 2-10

Hyperostosis

Skin
Note: ULCER TGLs = 1-8

Ulcer

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 51

TRT#: 3

SEX: Male

DAY ON TEST: 661

DOSE: 100MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Epididymis	Inflammation	Chronic, Mild
Heart	Cardiomyopathy	Mild
Kidney	Amyloid Deposition	Moderate
	Inflammation	Chronic, Mild
Liver	Amyloid Deposition	Marked
	Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 5-2		
Prostate	Inflammation	Chronic, Mild
Salivary Glands	Inflammation	Chronic, Minimal
Skin	Fibrosarcoma	
	Ulcer	Marked
Note: ULCER TGLs = 2-10		
Note: FIBROSARC TGLs = 3-10		
Spleen	Amyloid Deposition	Marked
Note: AMYLOID DEP TGLs = 6-2		
Thymus	Amyloid Deposition	Moderate
Urinary Bladder	Submucosa Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 52	TRT#: 1	SEX: Male	DAY ON TEST: 649
	DOSE: VEHICLE CONTROL	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Parathyroid Gland	Pituitary Gland	Prostate	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

AUTO PRECLUDES DIAG.

Gallbladder	Intestine Large	Intestine Small	Islets, Pancreatic
Pancreas			

OBSERVATIONS

Harderian Gland		Adenoma	
Note: ADENOMA	TGLs = 3-10		
Kidney		Inflammation	Chronic, Mild
Lung		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC	TGLs = 2-3		
Salivary Glands		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 52	TRT#: 2 DOSE: 50 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Thyroid Gland

OBSERVATIONS

Liver Note: HEPATOCLR ADEN TGLs = 3-2		Hepatocellular Adenoma	Multiple
Lung [Alveolar/Bronchiolar Adenoma TGLS = 4-3]		Alveolar/Bronchiolar Adenoma	
Lymph Node [Lymphoma Malignant Lymphocytic TGLS = 5-4]	Mesenteric	Lymphoma Malignant Lymphocytic	
Skin Note: FIBROSARC TGLs = 1-8	Subcut Tiss	Fibrosarcoma	
Spleen [Lymphoma Malignant Lymphocytic TGLS = 2-2]		Lymphoma Malignant Lymphocytic	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 52

TRT#: 3

SEX: Male

DAY ON TEST: 690

DOSE: 100MG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Kidney		Inflammation	Chronic, Mild
Liver		Anisokaryosis	Minimal
		Cyst	
		Hepatocellular Adenoma	
		Hepatocellular Adenoma	
		Hepatocellular Adenoma	
		Hepatocellular Adenoma	
		Syncytial Alteration	Minimal
<p>Note: CYST TGLs = 4-10 [Cyst TGLS = 4-10] [Hepatocellular Adenoma TGLS = 3-10] [Hepatocellular Adenoma TGLS = 6-2] [Hepatocellular Adenoma TGLS = 5-2]</p>			
Lymph Node	Mesenteric	Congestion	Marked
<p>Note: CONGESTION TGLs = 2-4</p>			
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Preputial Gland		Inflammation	Suppurative, Marked
<p>Note: INFLAMMATION TGLs = 1-5</p>			
Salivary Glands		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 52	TRT#: 3	SEX: Male	DAY ON TEST: 690
	DOSE: 100MG/KG	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Urinary Bladder	Submucosa	Inflammation	Chronic, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 53

TRT#: 1

SEX: Male

DAY ON TEST: 709

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Inflammation	Chronic, Mild
Liver		Hematopoietic Cell Proliferation	Marked
		Lymphoma Malignant Histiocytic	
		Necrosis	Marked
Note: HEMA CELL PROL TGLs = 4-2 [Hematopoietic Cell Proliferation TGLS = 5-2]			
Lung		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC TGLs = 8-3			
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Marked
	Inguinal	Lymphoma Malignant Histiocytic	
	Mesenteric	Lymphoma Malignant Histiocytic	
	Renal	Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST TGLs = 3-11 Note: LYMPH MAL HIST TGLs = 7-10 Note: HEMA CELL PROL TGLs = 6-4			
Mesentery	Fat	Necrosis	Focal, Marked
Note: NECROSIS TGLs = 9-10			
Salivary Glands		Inflammation	Chronic, Mild
Skeletal Muscle	Abdominal	Fibrosis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 53

TRT#: 1

SEX: Male

DAY ON TEST: 709

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: FIBROSIS TGLs = 1-12

Spleen

Hematopoietic Cell Proliferation

Marked

Note: HEMA CELL PROL TGLs = 2-2

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 53

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Harderian Gland		Adenoma	
Note: ADENOMA	TGLs = 4-10		
Kidney		Inflammation	Chronic, Mild
Liver		Anisokaryosis	Minimal
		Basophilic Focus	
		Syncytial Alteration	Minimal
Lymph Node	Mesenteric	Congestion	Moderate
Note: CONGESTION	TGLs = 2-4		
Prostate		Inflammation	Chronic, Mild
Salivary Glands		Inflammation	Chronic, Minimal
Skin	Dermis, Tail	Inflammation	Mild
Note: INFLAMMATION	TGLs = 3-8		
Testes	Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 1-5		
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 54

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Harderian Gland		Adenoma	
Note: ADENOMA	TGLs = 1-10		
Intestine Small	Ileum	Amyloid Deposition	Marked
Kidney		Inflammation	Chronic, Mild
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC	TGLs = 2-11		
Note: HEPATOCLR CARC	TGLs = 3-12		
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN	TGLs = 4-3		
Lymph Node	Mesenteric	Congestion	Marked
Note: CONGESTION	TGLs = 5-4		
Salivary Glands		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 54

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	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
Tissue NOS	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Bone	Joint, Tarsal	Hyperostosis	
Note: HYPEROSTOSIS	TGLs = 1-9		
Kidney		Inflammation	Chronic, Minimal
Liver		Basophilic Focus	
		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN	TGLs = 3-10		
Note: HEPATOCLR ADEN	TGLs = 4-2		
Note: HEPATOCLR ADEN	TGLs = 2-10		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 55	TRT#: 2	SEX: Male	DAY ON TEST: 654
	DOSE: 50 MG/KG	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Islets, Pancreatic
Mesentery	Nose	Pancreas	Parathyroid Gland
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea

MISSING

Mammary Gland	Pituitary Gland
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OBSERVATIONS

Intestine Small Note: LYMPH MAL LYMP TGLs = 3-13	Jejunum	Lymphoma Malignant Lymphocytic	
Kidney		Cytoplasmic Alteration	Mild
Liver Note: NECROSIS TGLs = 2-11		Hematopoietic Cell Proliferation	Moderate
		Necrosis	Moderate
Lung	Vein	Leukocytosis	
Lymph Node Note: HEMA CELL PROL TGLs = 5-10 Note: HEMA CELL PROL TGLs = 4-12	Iliac	Hematopoietic Cell Proliferation	Marked
	Mesenteric	Hematopoietic Cell Proliferation	Marked
	Mandibular	Lymphoma Malignant Lymphocytic	
Prostate		Lymphoma Malignant Lymphocytic	
Salivary Glands		Lymphoma Malignant Lymphocytic	
Spleen Note: HEMA CELL PROL TGLs = 1-2		Hematopoietic Cell Proliferation	Marked
Urinary Bladder	Submucosa	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 55

TRT#: 3

SEX: Male

DAY ON TEST: 682

DOSE: 100MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Inflammation	Chronic, Mild
Liver		Anisokaryosis	Mild
		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Adenoma	
		Syncytial Alteration	Moderate
Note: HEPATOCLR ADEN	TGLs = 4-13		
Note: HEPATOCLR ADEN	TGLs = 5-2		
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Skin		Acanthosis	Moderate
		Inflammation	Chronic, Moderate
		Ulcer	Marked
		Ulcer	Marked
Note: INFLAMMATION	TGLs = 3-12		
Note: ULCER	TGLs = 1-10		
Note: ACANTHOSIS	TGLs = 3-12		
Note: ULCER	TGLs = 2-11		
Urinary Bladder	Submucosa	Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 55

TRT#: 3

SEX: Male

DAY ON TEST: 682

DOSE: 100MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 56 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 537
DOSE: VEHICLE CONTROL **DISP:** Moribund **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Gallbladder	Mammary Gland	Thymus
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OBSERVATIONS

Kidney		Inflammation	Chronic, Moderate
Liver		Hepatocellular Carcinoma	
		Hepatocellular Carcinoma	
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC	TGLs = 5-10		
Note: HEPATOCLR CARC	TGLs = 6-2		
Note: HEPATOCLR CARC	TGLs = 4-2		
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Lymph Node	Mesenteric	Congestion	Marked
Note: CONGESTION	TGLs = 3-4		
Skin		Atrophy	Mild
	Prepuce	Inflammation	Chronic, Mild
Note: ATROPHY	TGLs = 2-8		
Note: INFLAMMATION	TGLs = 1-8		
Urinary Bladder	Perivascular	Inflammation	Chronic, Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND CONDITION DUE TO HEPATOCELLULAR CARCINOMA
Animal Note: LUNG METASTASES ARE VERY SMALL AND PROBABLY NOT

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydroquinone

CAS Number: 123-31-9

Date Report Requested: 10/19/2014

Time Report Requested: 22:01:48

First Dose M/F: NA / NA

Lab: AM BIO

ANIMAL ID: 56

TRT#: 1

SEX: Male

DAY ON TEST: 537

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: CLINICALLY SIGNIFICANT.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 56	TRT#: 2 DOSE: 50 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Spleen	Thyroid Gland
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OBSERVATIONS

Harderian Gland Note: ADENOMA TGLs = 5-10		Adenoma	
Liver [Hepatocellular Adenoma TGLS = 1-2]		Hepatocellular Adenoma	
Lung [Congestion TGLS = 3-3,4-3]		Congestion	Moderate
Lymph Node [Congestion TGLS = 2-]	Mesenteric	Congestion	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 56

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	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

Gallbladder	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Kidney		Inflammation	Chronic, Mild
Liver		Anisokaryosis	Minimal
		Basophilic Focus	
		Hepatocellular Adenoma	
		Syncytial Alteration	Minimal
Note: HEPATOCLR ADEN	TGLs = 2-2		
Note: HEPATOCLR ADEN	TGLs = 1-2		
Note: HEPATOCLR ADEN	TGLs = 3-12		
Prostate		Inflammation	Chronic, Minimal
Salivary Glands		Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 57	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Epididymis	Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Focal, Moderate
Kidney		Inflammation	Chronic, Mild
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN	TGLs = 2-2,3-2		
Lung		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC	TGLs = 1-3		
Salivary Glands		Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 57	TRT#: 2 DOSE: 50 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Spleen	Thyroid Gland
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OBSERVATIONS

Intestine Small Note: DIVERTICULUM TGLs = 1-6	Jejunum	Diverticulum	Moderate
Liver Note: HEPATOCLR ADEN TGLs = 4-2 Note: HEPATOCLR ADEN TGLs = 3-2		Hepatocellular Adenoma	Multiple
Lymph Node Note: CONGESTION TGLs = 2-4		Congestion	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 57 **TRT#:** 3 **SEX:** Male **DAY ON TEST:** 731
DOSE: 100MG/KG **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Intestine Small - Jejunum	Mammary Gland
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OBSERVATIONS

Bone	Joint, Tarsal	Hyperostosis	
Note: HYPEROSTOSIS TGLs = 1-9			
Kidney		Inflammation	Chronic, Mild
Liver		Anisokaryosis	Mild
		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 4-10			
Note: HEPATOCLR ADEN TGLs = 2-2			
Lung	Alveolar Epith	Hyperplasia	Minimal
Note: HYPERPLASIA TGLs = 3-3			
Salivary Glands		Inflammation	Chronic, Mild
Skin	Subcut Tiss	Inflammation	Chronic, Marked
Note: INFLAMMATION TGLs = 1-9			
Urinary Bladder	Submucosa	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 58

TRT#: 1

SEX: Male

DAY ON TEST: 662

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Inflammation	Chronic, Marked
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC	TGLs = 6-2		
Lymph Node	Axillary	Hyperplasia	Plasma Cell, Marked
	Iliac	Hyperplasia	Plasma Cell, Marked
	Popliteal	Hyperplasia	Plasma Cell, Marked
	Renal	Hyperplasia	Plasma Cell, Marked
Note: HYPERPLASIA	TGLs = 5-11		
Note: HYPERPLASIA	TGLs = 9-11		
Note: HYPERPLASIA	TGLs = 4-12		
Note: HYPERPLASIA	TGLs = 8-12		
Prostate		Inflammation	Chronic Active, Moderate
Skin	Subcut Tiss	Fibrosarcoma	
	Subcut Tiss	Inflammation	Chronic, Mild
Note: FIBROSARC	TGLs = 1-10,2-10		
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL	TGLs = 3-2		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 58	TRT#: 2	SEX: Male	DAY ON TEST: 730
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Spleen
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Moderate
Liver	Sinusoid	Hepatocellular Adenoma	Multiple
		Sarcoma	
Note: HEPATOCLR ADEN	TGLs = 4-11		
Note: HEPATOCLR ADEN	TGLs = 5-12,6-12		
Note: HEPATOCLR ADEN	TGLs = 7-12		
Note: HEPATOCLR ADEN	TGLs = 3-10		
Lymph Node	Mesenteric	Congestion	Moderate
Note: CONGESTION	TGLs = 2-4		
Skin		Inflammation	Chronic, Moderate
Note: INFLAMMATION	TGLs = 1-14		
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 58 **TRT#:** 3 **SEX:** Male **DAY ON TEST:** 575
DOSE: 100MG/KG **DISP:** Dead **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Kidney	Lung	Lymph Node - Mandibular
Nose	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Thymus
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AUTO PRECLUDES DIAG.

Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Pancreas	

OBSERVATIONS

Intestine Large Note: LYMPH MAL HIST TGLs = 1-10	Cecum	Lymphoma Malignant Histiocytic	
Liver Note: LYMPH MAL HIST TGLs = 3-2,4-2		Lymphoma Malignant Histiocytic	
Lymph Node Note: LYMPH MAL HIST TGLs = 2-11	Mesenteric	Lymphoma Malignant Histiocytic	
Spleen Note: HEMA CELL PROL TGLs = 5-2		Hematopoietic Cell Proliferation	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 59

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Coagulating Gland	Epididymis	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Nose	Pancreas	Pituitary Gland	Skin
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea		

MISSING

Gallbladder	Lymph Node - Mesenteric	Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Focal, Mild
Kidney		Cyst	Multiple
		Inflammation	Chronic, Moderate
[Cyst TGLS = 7-1]			
Liver		Hepatocellular Adenoma	
		Hepatocellular Adenoma	
		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 10-12			
Note: HEPATOCLR ADEN TGLs = 11-13			
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 12-3			
Lymph Node		Hyperplasia	Plasma Cell, Marked
	Pancreatic	Lymphoma Malignant Lymphocytic	
	Renal	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 9-11			
Note: HYPERPLASIA TGLs = 8-10			
Note: LYMPH MAL LYMP TGLs = 8-10			
Prostate		Inflammation	Chronic, Marked
Salivary Glands		Inflammation	Chronic, Minimal
Seminal Vesicle		Inflammation	Chronic, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 59	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: INFLAMMATION	TGLs = 3-5		
Spleen		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP	TGLs = 4-2		
Urethra		Proximal Inflammation	Suppurative, Marked
Urinary Bladder		Wall Inflammation	Subacute, Marked
Note: INFLAMMATION	TGLs = 5-5		
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 59	TRT#: 2 DOSE: 50 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Liver	Spleen	Thyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Adenoma
Lung		Alveolar/Bronchiolar Adenoma
[Alveolar/Bronchiolar Adenoma TGLS = 1-3]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 59	TRT#: 3	SEX: Male	DAY ON TEST: 731
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Pituitary Gland	Thymus
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OBSERVATIONS

Kidney		Inflammation	Chronic, Mild
Liver	Sinusoid	Dilatation	Focal, Mild
		Hyperplasia	Reticulum Cell, Mild
Salivary Glands		Inflammation	Chronic, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 60	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Inflammation	Chronic, Mild
Liver		Infarct	Marked
Note: INFARCT	TGLs = 1-2		
Salivary Glands		Inflammation	Chronic, Minimal
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 61 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 731
DOSE: VEHICLE CONTROL **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Moderate
Kidney		Inflammation	Chronic, Mild
Liver		Eosinophilic Focus	
Note: EOSIN FOCUS TGLs = 3-2			
Lung		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC TGLs = 2-3			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-4			
Salivary Glands		Inflammation	Chronic, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Urinary Bladder	Submucosa	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 61	TRT#: 2 DOSE: 50 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Spleen

Adrenal Gland - Medulla
Thyroid Gland

Lacrimal Gland

Liver

OBSERVATIONS

Lung
Note: HYPERPLASIA TGLs = 2-3

Alveolar Epith

Hyperplasia

Atypical, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 61	TRT#: 3	SEX: Male	DAY ON TEST: 481
	DOSE: 100MG/KG	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Intestine Small - Ileum	Mammary Gland	Thymus
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AUTO PRECLUDES DIAG.

Intestine Small - Jejunum

OBSERVATIONS

Kidney	Renal Tubule	Mineralization	Moderate
Liver		Fatty Change	Minimal
Urinary Bladder	Muscularis	Hemorrhage	Moderate

Note: HEMORRHAGE TGLs = 2-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 62	TRT#: 1	SEX: Male	DAY ON TEST: 330
	DOSE: VEHICLE CONTROL	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Pituitary Gland
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AUTO PRECLUDES DIAG.

Gallbladder

OBSERVATIONS

Heart		Lymphoma Malignant Lymphocytic	
Kidney		Inflammation	Chronic, Minimal
Lung		Lymphoma Malignant Lymphocytic	
Lymph Node	Mesenteric	Lymphoma Malignant Lymphocytic	
Thymus		Lymphoma Malignant Lymphocytic	

Note: LYMPH MAL LYMP TGLs = 2-10

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 62

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Spleen

Thyroid Gland

OBSERVATIONS

Bone

Joint, Tarsal

Hyperostosis

Note: HYPEROSTOSIS TGLs = 2-10

Liver

Clear Cell Focus

Hepatocellular Adenoma

[Clear Cell Focus TGLS = 1-2]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 62 **TRT#:** 3 **SEX:** Male **DAY ON TEST:** 731
DOSE: 100MG/KG **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland Thymus

OBSERVATIONS

Kidney		Inflammation	Chronic, Moderate
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Hepatocellular Carcinoma	
		Syncytial Alteration	Minimal
Note: HEPATOCLR CARC	TGLs = 6-2		
Note: HEPATOCLR ADEN	TGLs = 4-10,5-10		
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Note: HEPATOCLR CARC	TGLs = 10-3		
Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Marked
Skin	Subcut Tiss	Hemangiosarcoma	
		Ulcer	Marked
		Ulcer	Marked
Note: ULCER	TGLs = 1-8		
Note: ULCER	TGLs = 8-8		
Note: HEMANGIOMA	TGLs = 2-8		
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL	TGLs = 9-2		
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 62

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 63	TRT#: 1 DOSE: VEHICLE CONTROL	SEX: Male DISP: Dead	DAY ON TEST: 603 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Thymus
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AUTO PRECLUDES DIAG.

Gallbladder	Intestine Large - Cecum	Intestine Small - Ileum
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OBSERVATIONS

Kidney		Inflammation	Chronic, Minimal
Liver		Hemangioma	Marked
		Hepatocellular Carcinoma	
		Necrosis	Marked
		Thrombosis	Marked
Note: NECROSIS TGLs = 2-12			
Note: HEPATOCLR CARC TGLs = 2-2			
Note: HEMANGIOMA TGLs = 2-12			
Note: THROMBUS TGLs = 2-12			
Lymph Node	Mesenteric	Congestion	Moderate
Note: CONGESTION TGLs = 4-4			
Skin	Subcut Tiss	Edema	Marked
Note: EDEMA TGLs = 3-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 63	TRT#: 2 DOSE: 50 MG/KG	SEX: Male DISP: Dead	DAY ON TEST: 441 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Coagulating Gland	Epididymis	Esophagus
Gallbladder	Heart	Islets, Pancreatic	Lung
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

AUTO PRECLUDES DIAG.

Intestine Large	Intestine Small	Stomach
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OBSERVATIONS

Kidney	Inflammation	Chronic, Mild
Liver	Hepatocellular Adenoma	
	Necrosis	Moderate
Note: HEPATOCLR ADEN TGLs = 1-2		
Preputial Gland	Inflammation	Suppurative, Marked
Salivary Glands	Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 63 **TRT#:** 3 **SEX:** Male **DAY ON TEST:** 731
DOSE: 100MG/KG **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Gallbladder	Mammary Gland	Parathyroid Gland	Thymus
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OBSERVATIONS

Kidney		Inflammation	Chronic, Mild
Liver		Hemangiosarcoma	
		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN TGLs = 4-2			
Note: HEMANGIOSARC TGLs = 4-2			
[Hemangiosarcoma TGLS = 5-2,3-2]			
Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolus	Hyperplasia	Macrophage, Moderate
Note: ALV BRON CARC TGLs = 2-3			
Salivary Glands		Inflammation	Chronic, Mild
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC TGLs = 1-8			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 64 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 729
DOSE: VEHICLE CONTROL **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Moderate
Kidney		Inflammation	Chronic, Mild
Lymph Node	Mandibular	Congestion	Moderate
	Mesenteric	Congestion	Moderate
	Mesenteric	Hyperplasia	Lymphoid, Marked
Note: HYPERPLASIA TGLs = 2-4			
Note: CONGESTION TGLs = 2-4			
Preputial Gland		Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 3-11			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 64	TRT#: 2 DOSE: 50 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Spleen
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OBSERVATIONS

Adrenal Gland	Cortex	Adenoma
Liver		Basophilic Focus
		Clear Cell Focus
		Hepatocellular Adenoma

Note: CLEAR CL FOCUS TGLs = 4-10
[Hepatocellular Adenoma TGLS = 3-2]

Preputial Gland	Inflammation	Suppurative, Marked
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Note: INFLAMMATION TGLs = 1-8,2-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 64

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Adrenal Gland	Mammary Gland	Parathyroid Gland	Pituitary Gland
Stomach - Forestomach			

OBSERVATIONS

Gallbladder		Inflammation	Chronic, Minimal
Harderian Gland		Adenoma	
Note: ADENOMA	TGLs = 2-10		
Kidney		Lymphoma Malignant Lymphocytic	
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN	TGLs = 1-2		
Lung		Lymphoma Malignant Lymphocytic	
Salivary Glands		Lymphoma Malignant Lymphocytic	
Skin	Subcut Tiss	Lymphoma Malignant Lymphocytic	
Note: ULCER	TGLs = 3-13	Ulcer	Marked
Spleen		Hematopoietic Cell Proliferation	Moderate
		Lymphoma Malignant Lymphocytic	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 65	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Islets, Pancreatic	Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Bone	Joint, Tarsal	Hyperostosis	
Kidney		Inflammation	Chronic, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Urinary Bladder	Submucosa	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 65	TRT#: 2	SEX: Male	DAY ON TEST: 596
	DOSE: 50 MG/KG	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Intestine Small - Ileum	Mammary Gland
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AUTO PRECLUDES DIAG.

Gallbladder

OBSERVATIONS

Brain		Cyst Epithelial Inclusion	
Kidney		Inflammation	Chronic, Minimal
Preputial Gland		Inflammation	Chronic, Moderate
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC TGLs = 5-10			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 2-2			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 65

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Inflammation	Chronic, Minimal
Liver		Syncytial Alteration	Mild
Lymph Node	Mesenteric	Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 3-4			
Nose	Mucosa	Inflammation	Chronic, Mild
Prostate		Inflammation	Chronic, Minimal
Salivary Glands		Inflammation	Chronic, Mild
Skin	Subcut Tiss	Fibrosarcoma	
		Ulcer	Marked
Note: ULCER TGLs = 2-8			
Note: FIBROSARC TGLs = 1-8			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 4-2			
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydroquinone

CAS Number: 123-31-9

Date Report Requested: 10/19/2014

Time Report Requested: 22:01:48

First Dose M/F: NA / NA

Lab: AM BIO

ANIMAL ID: 1	TRT#: 6 DOSE: 100MG/KG	SEX: Female DISP: Dead	DAY ON TEST: 700 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Esophagus	Heart	Lymph Node - Mandibular
Mammary Gland	Nose	Parathyroid Gland	Pituitary Gland
Skin	Spinal Cord	Stomach - Forestomach	Tooth
Trachea	Uterus		

MISSING

Adrenal Gland - Medulla

AUTO PRECLUDES DIAG.

Bone Marrow	Gallbladder	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Ovary	Pancreas		

OBSERVATIONS

Adrenal Gland	Cortex	Lymphoma Malignant	
Brain		Hemorrhage	Focal, Mild
Intestine Large	Cecum	Lymphoma Malignant	
Note: LYMPH MAL TGLs = 7-6			
Kidney		Lymphoma Malignant	
Liver		Lymphoma Malignant	
Note: LYMPH MAL TGLs = 4-2,5-2		Necrosis	Marked
Lung		Lymphoma Malignant	
Lymph Node	Axillary	Lymphoma Malignant	
	Mesenteric	Lymphoma Malignant	
Note: LYMPH MAL TGLs = 2-10			
Salivary Glands		Lymphoma Malignant Lymphocytic	
Spleen		Lymphoma Malignant	
Note: LYMPH MAL TGLs = 3-2			
Stomach	Glandular	Lymphoma Malignant	
Note: LYMPH MAL TGLs = 6-6			
Thymus		Lymphoma Malignant	
Note: LYMPH MAL TGLs = 1-4			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 1	TRT#: 6 DOSE: 100MG/KG	SEX: Female DISP: Dead	DAY ON TEST: 700 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Urinary Bladder		Lymphoma Malignant	

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 2 **TRT#:** 4 **SEX:** Female **DAY ON TEST:** 735
DOSE: VEHICLE CONTROL **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Nose	Ovary	Pancreas
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Lymph Node - Mandibular	Parathyroid Gland
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OBSERVATIONS

Lung Note: ALV BRON CARC TGLs = 3-3		Alveolar/Bronchiolar Carcinoma	
Lymph Node	Mesenteric	Lymphoma Malignant Lymphocytic	
Mammary Gland	Duct	Ectasia	Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
Spleen Note: LYMPH MAL LYMP TGLs = 1-2		Lymphoma Malignant Lymphocytic	
Uterus Note: HYPERPLASIA TGLs = 2-5	Endometrium	Hyperplasia	Cystic, Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 2	TRT#: 5 DOSE: 50 MG/KG	SEX: Female DISP: Moribund	DAY ON TEST: 410 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Islets, Pancreatic	Lung	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Uterus	

MISSING

Intestine Large - Rectum

OBSERVATIONS

Adrenal Gland	Cortex	Lymphoma Malignant Mixed
Heart		Lymphoma Malignant Mixed
Intestine Small	Ileum, Jejunum	Lymphoma Malignant Mixed
Note: LYMPH MAL MIXD TGLs = 4-6		
Kidney		Lymphoma Malignant Mixed
Liver		Lymphoma Malignant Histiocytic
Lymph Node	Bronchial	Lymphoma Malignant Mixed
	Lumbar	Lymphoma Malignant Mixed
	Mandibular	Lymphoma Malignant Mixed
	Mediastinal	Lymphoma Malignant Mixed
	Mesenteric	Lymphoma Malignant Mixed
Note: LYMPH MAL MIXD TGLs = 6-4		
Note: LYMPH MAL MIXD TGLs = 3-10		
Note: LYMPH MAL MIXD TGLs = 9-12		
Note: LYMPH MAL MIXD TGLs = 6-5		
Note: LYMPH MAL MIXD TGLs = 7-11		
Note: LYMPH MAL MIXD TGLs = 8-11		
Ovary		Cyst
Spleen		Lymphoma Malignant Mixed
Note: LYMPH MAL MIXD TGLs = 1-2		
Note: LYMPH MAL MIXD TGLs = 2-2		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 2	TRT#: 5	SEX: Female	DAY ON TEST: 410
	DOSE: 50 MG/KG	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Thymus	Lymphoma Malignant Mixed
Note: LYMPH MAL MIXD TGLs = 11	
Urinary Bladder	Lymphoma Malignant Histiocytic

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 2	TRT#: 6 DOSE: 100MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 736 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea		

OBSERVATIONS

Bone		Fibrous Osteodystrophy	Minimal
Brain		Mineralization	Minimal
Kidney		Inflammation	Chronic, Mild
Liver		Basophilic Focus	
Note: BASOPH FOCUS	TGLs = 3-12		
Mammary Gland		Adenocarcinoma	
Ovary		Cyst	
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Salivary Glands		Inflammation	Chronic, Minimal
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
		Inflammation	Chronic, Mild
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA	TGLs = 2-5		

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 3	TRT#: 4	SEX: Female	DAY ON TEST: 631
	DOSE: VEHICLE CONTROL	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Skin	Spinal Cord	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Uterus			

OBSERVATIONS

Brain		Carcinoma	Extension (Pituitary Gland), Metastatic (Pituitary Gland)
Note: CARCINOMA	TGLs = 2-7		
Kidney		Inflammation	Chronic, Mild
Mammary Gland		Hyperplasia	Moderate
Ovary	Periovarn Tiss	Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Carcinoma	
Note: CARCINOMA	TGLs = 1-4		
Salivary Glands		Inflammation	Chronic, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Urinary Bladder	Submucosa	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 3	TRT#: 6	SEX: Female	DAY ON TEST: 736
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea			

MISSING

Parathyroid Gland

OBSERVATIONS

Kidney		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Marked
Salivary Glands		Inflammation	Chronic, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 4 **TRT#:** 4 **SEX:** Female **DAY ON TEST:** 696
DOSE: VEHICLE CONTROL **DISP:** Moribund **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Lymphoma Malignant Lymphocytic	
Heart	Epicardium	Lymphoma Malignant Lymphocytic	
Kidney		Inflammation	Chronic, Minimal
Liver		Lymphoma Malignant Lymphocytic	
		Necrosis	Mild
Lung		Lymphoma Malignant Lymphocytic	
Lymph Node	Bronchial	Lymphoma Malignant Lymphocytic	
	Inguinal	Lymphoma Malignant Lymphocytic	
	Mandibular	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
	Renal	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP	TGLs = 7-11		
Note: LYMPH MAL LYMP	TGLs = 6-4		
Note: LYMPH MAL LYMP	TGLs = 4-12		
Note: LYMPH MAL LYMP	TGLs = 8-10		
Note: LYMPH MAL LYMP	TGLs = 5-13		
Ovary		Cyst	
	Periovarn Tiss	Lymphoma Malignant Lymphocytic	
Note: CYST	TGLs = 9-5		
Spleen		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP	TGLs = 2-2		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 4	TRT#: 4	SEX: Female	DAY ON TEST: 696
	DOSE: VEHICLE CONTROL	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Thymus		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP	TGLs = 3-4		
Urinary Bladder	Submucosa	Inflammation	Chronic, Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 4	TRT#: 5 DOSE: 50 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 736 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Salivary Glands
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OBSERVATIONS

Liver		Basophilic Focus Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 2-2]			
Mammary Gland		Adenocarcinoma	
Note: ADENOCARC TGLs = 1-8			
Ovary	Periovarn Tiss	Inflammation	Chronic, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-4]			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 4	TRT#: 6	SEX: Female	DAY ON TEST: 736
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Skin
Stomach - Forestomach	Stomach - Glandular	Trachea	

OBSERVATIONS

Kidney		Inflammation	Chronic, Minimal
Liver		Histiocytic Sarcoma	
Note: HISTIO SARC	TGLs = 2-2		
Lung		Inflammation	Chronic, Minimal
Lymph Node	Mandibular	Histiocytic Sarcoma	
	Mesenteric	Histiocytic Sarcoma	
	Pancreatic	Histiocytic Sarcoma	
Note: HISTIO SARC	TGLs = 3-10		
Ovary		Cyst	
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Salivary Glands		Histiocytic Sarcoma	
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL	TGLs = 1-2		
Thymus		Ectopic Parathyroid Gland	
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 5 **TRT#:** 4 **SEX:** Female **DAY ON TEST:** 735
DOSE: VEHICLE CONTROL **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea		

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Focal, Marked
Kidney		Inflammation	Chronic, Minimal
Liver		Fatty Change	Mild
		Hematopoietic Cell Proliferation	Minimal
Lung		Inflammation	Chronic, Moderate
Mammary Gland		Hyperplasia	Mild
Mesentery	Fat	Necrosis	Focal, Marked
Note: NECROSIS TGLs = 1-10			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 3-4			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 4-2			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Urinary Bladder	Submucosa	Inflammation	Chronic, Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Mild
Note: HYPERPLASIA TGLs = 2-5			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 5 **TRT#:** 6 **SEX:** Female **DAY ON TEST:** 561
DOSE: 100MG/KG **DISP:** Moribund **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Pituitary Gland	Skin	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Uterus			

MISSING

Parathyroid Gland

OBSERVATIONS

Kidney		Inflammation	Chronic, Moderate
		Metaplasia	Osseous, Focal, Moderate
Note: METAPL	TGLs = 3-11		
Lung		Inflammation	Chronic, Mild
		Metaplasia	Osseous, Mild
Note: METAPL	TGLs = 2-3		
Ovary		Cyst	
	Periovarn Tiss	Inflammation	Chronic, Mild
Note: CYST	TGLs = 1-5		
Salivary Glands		Inflammation	Chronic, Minimal
Spleen		Hyperplasia	Lymphoid, Moderate
Thyroid Gland	Follicle	Cyst	
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 6 **TRT#:** 4 **SEX:** Female **DAY ON TEST:** 737
DOSE: VEHICLE CONTROL **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Lung
Lymph Node - Mandibular	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea		

OBSERVATIONS

Adrenal Gland Note: PHEOCHROM MAL TGLs = 3-4	Medulla	Pheochromocytoma Malignant	
Kidney		Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Lymphoma Malignant Lymphocytic	
Mesentery Note: NECROSIS TGLs = 1-10	Fat	Necrosis	Focal, Mild
Salivary Glands		Inflammation	Chronic, Mild
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Mild
	Endometrium	Inflammation	Suppurative, Moderate
Note: INFLAMMATION TGLs = 2-5			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 6	TRT#: 5 DOSE: 50 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 736 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Harderian Gland

Liver

Lung

OBSERVATIONS

Ovary

Angiectasis

Marked

Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 2-4]

Salivary Glands

Inflammation

Chronic, Mild

Thyroid Gland

Follicular Cel

Hyperplasia

Marked

Inflammation

Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydroquinone

CAS Number: 123-31-9

Date Report Requested: 10/19/2014

Time Report Requested: 22:01:48

First Dose M/F: NA / NA

Lab: AM BIO

ANIMAL ID: 6	TRT#: 6 DOSE: 100MG/KG	SEX: Female DISP: Moribund	DAY ON TEST: 644 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Hematopoietic Cell Proliferation	Moderate
Kidney		Lymphoma Malignant Histiocytic	
Liver		Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST TGLs = 8-2			
Lymph Node	Axillary	Lymphoma Malignant Histiocytic	
	Lumbar	Lymphoma Malignant Histiocytic	
	Mandibular	Lymphoma Malignant Histiocytic	
	Mesenteric	Lymphoma Malignant Histiocytic	
	Pancreatic	Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST TGLs = 9-12			
Note: LYMPH MAL HIST TGLs = 6-4			
Note: LYMPH MAL HIST TGLs = 5-11			
[Lymphoma Malignant Histiocytic TGLS = 10-12]			
[Lymphoma Malignant Histiocytic TGLS = 4-4]			
Pituitary Gland	Pars Distalis	Adenoma	
Skin		Ulcer	Marked
Note: ULCER TGLs = 1-10,2-10			
Spleen		Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST TGLs = 3-2			
Thymus		Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST TGLs = 7-4			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 6	TRT#: 6	SEX: Female	DAY ON TEST: 644
	DOSE: 100MG/KG	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 7	TRT#: 4 DOSE: VEHICLE CONTROL	SEX: Female DISP: Moribund	DAY ON TEST: 693 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Esophagus
Gallbladder	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Liver	Lung	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Bone	Fibrous Osteodystrophy	Minimal
Brain	Mineralization	Minimal
Harderian Gland	Adenoma	
Note: ADENOMA TGLs = 5-11		
Heart	Epicardium	Inflammation
Kidney		Inflammation
Lymph Node	Inguinal	Hematopoietic Cell Proliferation
	Mediastinal	Hematopoietic Cell Proliferation
	Mesenteric	Hematopoietic Cell Proliferation
	Mandibular	Hyperplasia
	Mesenteric	Thrombosis
Note: HEMA CELL PROL TGLs = 8-4		
Note: HYPERPLASIA TGLs = 1-4		
Note: HEMA CELL PROL TGLs = 9-4		
[Thrombosis TGLs = 10-10]		
Pituitary Gland	Pars Distalis	Hyperplasia
Skin		Ulcer
Note: ULCER TGLs = 7-8		
Spleen		Lymphoma Malignant Lymphocytic
Note: LYMPH MAL LYMP TGLs = 3-2		
Uterus	Endometrium	Hyperplasia
Note: HYPERPLASIA TGLs = 2-5		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 7	TRT#: 4	SEX: Female	DAY ON TEST: 693
	DOSE: VEHICLE CONTROL	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 7	TRT#: 5 DOSE: 50 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 737 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Lung	Ovary
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OBSERVATIONS

Harderian Gland Note: ADENOMA TGLs = 2-8		Adenoma	
Mammary Gland Note: ADENOCARC TGLs = 1-8		Adenocarcinoma	
Salivary Glands		Inflammation	Chronic, Moderate
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 7	TRT#: 6 DOSE: 100MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 736 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Lymph Node - Mandibular	Nose	Ovary
Pancreas	Parathyroid Gland	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Trachea	

MISSING

Lymph Node - Mesenteric	Mammary Gland	Thymus
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OBSERVATIONS

Kidney		Inflammation	Chronic, Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
Salivary Glands		Inflammation	Chronic, Mild
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Moderate
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Marked

Note: HYPERPLASIA TGLs = 1-5

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 8	TRT#: 5 DOSE: 50 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 735 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung

OBSERVATIONS

Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN	TGLs = 3-12		
Ovary		Cyst	
Note: CYST	TGLs = 2-5		
Salivary Glands		Inflammation	Chronic, Minimal
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Marked
Note: HYPERPLASIA	TGLs = 1-5		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 8 **TRT#:** 6 **SEX:** Female **DAY ON TEST:** 622
DOSE: 100MG/KG **DISP:** Dead **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Heart	Islets, Pancreatic	Mammary Gland
Nose	Pancreas	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Trachea	Urinary Bladder

MISSING

Parathyroid Gland

AUTO PRECLUDES DIAG.

Gallbladder	Intestine Large	Intestine Small	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Lymphoma Malignant	
Kidney		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 2-1]			
Liver		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 11-2]			
Lung		Lymphoma Malignant	
Lymph Node	Axillary	Lymphoma Malignant	
	Iliac	Lymphoma Malignant	
	Lumbar	Lymphoma Malignant	
	Mandibular	Lymphoma Malignant	
	Mesenteric	Lymphoma Malignant	
	Pancreatic	Lymphoma Malignant	
Note: LYMPH MAL	TGLs = 7-11		
Note: LYMPH MAL	TGLs = 6-13		
Note: LYMPH MAL	TGLs = 5-4		
Note: LYMPH MAL	TGLs = 4-10		
Note: LYMPH MAL	TGLs = 9-12		
Note: LYMPH MAL	TGLs = 8-4		
Ovary	Periovarn Tiss	Lymphoma Malignant	
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 8	TRT#: 6 DOSE: 100MG/KG	SEX: Female DISP: Dead	DAY ON TEST: 622 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Skeletal Muscle		Lymphoma Malignant	
Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 1-2]			
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 9	TRT#: 4	SEX: Female	DAY ON TEST: 406
	DOSE: VEHICLE CONTROL	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

AUTO PRECLUDES DIAG.

Intestine Small - Duodenum	Intestine Small - Ileum
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OBSERVATIONS

Ovary	Teratoma
Note: TERATOMA TGLs = 5-10	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 9	TRT#: 5 DOSE: 50 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 737 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Lung	Ovary	Salivary Glands
OBSERVATIONS			
Lymph Node	Mediastinal Mesenteric	Hyperplasia Hyperplasia	Lymphoid, Marked Lymphoid, Marked
[Hyperplasia TGLS = 1-4] [Hyperplasia TGLS = 6-4]			
Pancreas	Duct	Ectasia Inflammation	Marked Chronic, Moderate
[Ectasia TGLS = 2-10,3-10]			
Pituitary Gland Note: ADENOMA TGLs = 4-4	Pars Distalis	Adenoma	
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus Note: HYPERPLASIA TGLs = 5-6	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 9	TRT#: 6 DOSE: 100MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 737 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

MISSING

Gallbladder	Parathyroid Gland
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OBSERVATIONS

Lung		Inflammation	Chronic, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 1-4		
Salivary Glands		Inflammation	Chronic, Mild
Thyroid Gland	Follicular Cel	Carcinoma	
		Inflammation	Chronic, Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Mild
Note: HYPERPLASIA	TGLs = 2-5		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 10	TRT#: 4	SEX: Female	DAY ON TEST: 737
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Kidney		Inflammation	Chronic, Mild
Mesentery		Inflammation	Chronic, Marked
Ovary		Cyst	
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
Spleen		Lymphoma Malignant Mixed	

Note: LYMPH MAL MIXD TGLs = 1-2

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 11	TRT#: 4	SEX: Female	DAY ON TEST: 583
	DOSE: VEHICLE CONTROL	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Salivary Glands		Inflammation	Chronic, Mild
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Marked

Note: HYPERPLASIA TGLs = 2-5

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 11 **TRT#:** 5 **SEX:** Female **DAY ON TEST:** 561
DOSE: 50 MG/KG **DISP:** Moribund **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Skin	Spinal Cord
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Uterus	

OBSERVATIONS

Bone	Lumbar, Vertebra	Osteosarcoma	
Note: OSTEOSARC TGLs = 3-11			
Kidney		Inflammation	Chronic, Mild
		Osteosarcoma	Metastatic (Bone)
Note: OSTEOSARC TGLs = 1-1			
Lung		Osteosarcoma	Metastatic (Bone)
Note: OSTEOSARC TGLs = 4-3			
Lymph Node	Lumbar	Osteosarcoma	Metastatic (Bone)
Note: OSTEOSARC TGLs = 2-10			
Ovary		Osteosarcoma	Metastatic (Bone)
Note: OSTEOSARC TGLs = 5-5			
Salivary Glands		Inflammation	Chronic, Mild
Urinary Bladder	Submucosa	Inflammation	Chronic, Moderate

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 11	TRT#: 6	SEX: Female	DAY ON TEST: 735
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea			

MISSING

Gallbladder

OBSERVATIONS

Kidney	Cortex	Fibrosis Inflammation	Focal, Moderate Chronic, Mild
[Inflammation TGLS = 1-1]			
Pituitary Gland	Pars Distalis Pars Distalis	Adenoma Hyperplasia Inflammation	Focal, Moderate Chronic, Minimal
Salivary Glands			
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
Urinary Bladder	Submucosa	Inflammation	Chronic, Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 12 **TRT#:** 5 **SEX:** Female **DAY ON TEST:** 630
DOSE: 50 MG/KG **DISP:** Dead **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Lung
Lymph Node - Mesenteric	Mammary Gland	Nose	Parathyroid Gland
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder	Uterus	

MISSING

Thymus

OBSERVATIONS

Intestine Small	Duodenum, Serosa	Fibrosarcoma	Metastatic (Mesentery)
Kidney		Inflammation	Chronic, Minimal
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Marked
Mesentery		Fibrosarcoma	Multiple
		Fibrosarcoma	
Note: FIBROSARC	TGLs = 2-4		
Note: FIBROSARC	TGLs = 1-10		
Ovary		Cyst	
Pancreas		Fibrosarcoma	Early Invasion (Mesentery), Metastatic (Mesentery)
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 4-4		
Salivary Glands		Inflammation	Chronic, Minimal
Skeletal Muscle	Abdominal	Fibrosarcoma	Early Invasion (Mesentery), Metastatic (Mesentery)
Note: FIBROSARC	TGLs = 3-11		
Thyroid Gland	Follicular Cel	Hyperplasia	Marked
Note: HYPERPLASIA	TGLs = 5-4		

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 12	TRT#: 6	SEX: Female	DAY ON TEST: 735
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	

OBSERVATIONS

Bone		Fibrous Osteodystrophy	Minimal
Brain		Mineralization	Minimal
Kidney		Inflammation	Chronic, Mild
Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Inflammation	Chronic, Minimal
Note: HEPATOCLR ADEN	TGLs = 2-10		
Note: EOSIN FOCUS	TGLs = 3-12		
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
Salivary Glands		Inflammation	Chronic, Minimal
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild
Uterus	Submucosa	Angiectasis	Mild
Note: ANGIECTASIS	TGLs = 1-		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 13

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Eye	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Mammary Gland	Nose	Skin
Stomach - Forestomach			

MISSING

Parathyroid Gland	Pituitary Gland
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OBSERVATIONS

Adrenal Gland	Capsule	Lymphoma Malignant Mixed
Gallbladder		Lymphoma Malignant Mixed
Harderian Gland		Lymphoma Malignant Mixed
Intestine Small	Jejunum	Lymphoma Malignant Mixed
Note: LYMPH MAL MIXD TGLs = 7-6		
Islets, Pancreatic		Lymphoma Malignant Mixed
Kidney		Lymphoma Malignant Mixed
Note: LYMPH MAL MIXD TGLs = 3-1		
Liver		Lymphoma Malignant Mixed
Note: LYMPH MAL MIXD TGLs = 8-2		
Lung		Lymphoma Malignant Mixed
Lymph Node	Inguinal	Lymphoma Malignant Mixed
	Lumbar	Lymphoma Malignant Mixed
	Mandibular	Lymphoma Malignant Mixed
	Mediastinal	Lymphoma Malignant Mixed
	Mesenteric	Lymphoma Malignant Mixed
	Pancreatic	Lymphoma Malignant Mixed
Note: LYMPH MAL MIXD TGLs = 11-4		
Note: LYMPH MAL MIXD TGLs = 5-14		
Note: LYMPH MAL MIXD TGLs = 9-4		
Note: LYMPH MAL MIXD TGLs = 1-10		
Note: LYMPH MAL MIXD TGLs = 4-11		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 13	TRT#: 4	SEX: Female	DAY ON TEST: 736
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LYMPH MAL MIXD	TGLs = 6-4		
Ovary	Periovarn Tiss	Lymphoma Malignant Mixed	
Pancreas		Lymphoma Malignant Mixed	
Salivary Glands		Lymphoma Malignant Mixed	
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD	TGLs = 2-2		
Stomach	Glandular	Lymphoma Malignant Mixed	
Thymus		Lymphoma Malignant Mixed	
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Marked
		Lymphoma Malignant Mixed	
Trachea		Lymphoma Malignant Mixed	
Urinary Bladder		Lymphoma Malignant Mixed	
Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Lymphoma Malignant Lymphocytic	

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 13	TRT#: 5 DOSE: 50 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 736 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Lung	Ovary
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OBSERVATIONS

Mesentery [Necrosis TGLS = 1-10]	Fat	Necrosis	Focal, Marked
Pituitary Gland [Adenoma TGLS = 2-4]	Pars Distalis	Adenoma	
Salivary Glands		Inflammation	Chronic, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus [Hyperplasia TGLS = 3-5]	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 13

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lymph Node - Mesenteric	Mammary Gland	Pancreas	Parathyroid Gland
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea		

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Kidney		Inflammation	Chronic, Mild
Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolus	Hyperplasia	Macrophage, Moderate
Note: ALV BRON CARC	TGLs = 1-3		
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Ovary	Serosa	Hyperplasia	Papillary, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Salivary Glands		Inflammation	Chronic, Minimal
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 14	TRT#: 4	SEX: Female	DAY ON TEST: 652
	DOSE: VEHICLE CONTROL	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Inflammation	Chronic, Minimal
Lung		Congestion	Moderate
Note: CONGESTION	TGLs = 3-3		
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA	TGLs = 1-5		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 14	TRT#: 5 DOSE: 50 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 735 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Ovary
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OBSERVATIONS

Liver [Hepatocellular Adenoma TGLS = 2-2]		Hepatocellular Adenoma	
Mesentery [Necrosis TGLS = 1-10]	Fat	Necrosis	Focal, Marked
Pituitary Gland Note: HYPERPLASIA TGLs = 3-4	Pars Distalis	Hyperplasia	Focal, Moderate
Salivary Glands		Inflammation	Chronic, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 14	TRT#: 6	SEX: Female	DAY ON TEST: 736
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Harderian Gland
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea		

OBSERVATIONS

Heart	Coron Artery	Inflammation	Chronic, Marked
Intestine Small Note: LYMPH MAL MIXD TGLs = 2-10	Ileum	Lymphoma Malignant Mixed	
Kidney		Inflammation	Chronic, Mild
Pituitary Gland Note: ADENOMA TGLs = 3-4	Pars Distalis	Adenoma	
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild
Uterus Note: HYDROMETRA TGLs = 1-5		Hydrometra	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 15	TRT#: 4	SEX: Female	DAY ON TEST: 736
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Uterus		

OBSERVATIONS

Intestine Small	Ileum	Amyloid Deposition	Marked
Kidney		Inflammation	Chronic, Minimal
Liver	Biliar Tract	Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
Salivary Glands		Inflammation	Chronic, Mild
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 15	TRT#: 5 DOSE: 50 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 737 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Lung	Ovary
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OBSERVATIONS

Mammary Gland Note: ADENOCARC TGLs = 1-8		Adenocarcinoma	
Pituitary Gland [Carcinoma TGLS = 2-4]	Pars Distalis	Carcinoma	
Salivary Glands		Inflammation	Chronic, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 15

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Ovary
Pancreas	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Trachea		

MISSING

Parathyroid Gland	Thymus
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OBSERVATIONS

Kidney		Inflammation	Chronic, Marked
[Inflammation TGLS = 2-1]			
Lung	Perivascular	Inflammation	Chronic, Mild
Mesentery	Fat	Necrosis	Focal, Moderate
Note: NECROSIS	TGLs = 1-10		
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
Salivary Glands		Inflammation	Chronic, Moderate
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
		Inflammation	Chronic, Mild
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 16

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Nose
Skin
Thymus

Adrenal Gland - Medulla
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Ovary
Spleen
Trachea

Bone
Gallbladder
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Pancreas
Stomach - Forestomach

Bone Marrow
Heart
Intestine Small - Duodenum
Liver
Mammary Gland
Salivary Glands
Stomach - Glandular

MISSING

Parathyroid Gland

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Kidney		Inflammation	Chronic, Minimal
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 16	TRT#: 5 DOSE: 50 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 736 HISTO:
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OBSERVATIONS

Heart [Thrombosis TGLS = 2-3]	Atrium	Thrombosis	
Liver Note: HEPATOCLR ADEN TGLs = 1-2		Hepatocellular Adenoma	
Lung [Alveolar/Bronchiolar Adenoma TGLS = 4-3]		Alveolar/Bronchiolar Adenoma	
Ovary		Cyst	
Pituitary Gland [Adenoma TGLS = 3-4]	Artery, Periovarn Tiss Pars Distalis	Inflammation Adenoma	Chronic, Marked
Salivary Glands		Inflammation	Chronic, Mild
Thyroid Gland Note: HYPERPLASIA TGLs = 5-4,5-10	Follicular Cel	Hyperplasia Inflammation	Marked Chronic, Mild

PRIMARY CAUSE OF DEATH -

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 16	TRT#: 6	SEX: Female	DAY ON TEST: 737
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea

OBSERVATIONS

Kidney		Inflammation	Chronic, Mild
Liver		Inflammation	Chronic, Minimal
Lung	Perivascular	Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Hyperplasia	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Marked
Urinary Bladder	Submucosa	Inflammation	Chronic, Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Marked

Note: HYPERPLASIA TGLs = 1-5

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 17	TRT#: 4	SEX: Female	DAY ON TEST: 469
	DOSE: VEHICLE CONTROL	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Mammary Gland	Nose
Parathyroid Gland	Pituitary Gland	Stomach - Forestomach	Trachea
Uterus			

MISSING

Thymus

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	

OBSERVATIONS

Adrenal Gland	Cortex	Lymphoma Malignant
Heart		Lymphoma Malignant
Kidney		Lymphoma Malignant
Liver		Lymphoma Malignant
Lung		Lymphoma Malignant
Lymph Node	Axillary	Lymphoma Malignant
	Iliac	Lymphoma Malignant
	Lumbar	Lymphoma Malignant
	Mandibular	Lymphoma Malignant
	Mediastinal	Lymphoma Malignant
	Mesenteric	Lymphoma Malignant
	Pancreatic	Lymphoma Malignant

Note: LYMPH MAL TGLs = 6-10
Note: LYMPH MAL TGLs = 11-4
Note: LYMPH MAL TGLs = 4-4
Note: LYMPH MAL TGLs = 1-4
Note: LYMPH MAL TGLs = 9-11
Note: LYMPH MAL TGLs = 10-4
Note: LYMPH MAL TGLs = 7-14
Note: LYMPH MAL TGLs = 8-10

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 17	TRT#: 4	SEX: Female	DAY ON TEST: 469
	DOSE: VEHICLE CONTROL	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Ovary		Lymphoma Malignant
Pancreas		Lymphoma Malignant
Salivary Glands		Lymphoma Malignant
Skin	Subcut Tiss	Lymphoma Malignant
Note: LYMPH MAL	TGLs = 4-8	
Spleen		Lymphoma Malignant
Note: LYMPH MAL	TGLs = 5-2	
Stomach	Glandular	Lymphoma Malignant
Thyroid Gland		Lymphoma Malignant
Urinary Bladder		Lymphoma Malignant

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH - LYMPHOMA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 17	TRT#: 5	SEX: Female	DAY ON TEST: 737
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung

OBSERVATIONS

Liver		Hepatocellular Adenoma	
Ovary		Cyst	
Note: CYST	TGLs = 1-5		
Salivary Glands		Inflammation	Chronic, Minimal
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 17 **TRT#:** 6 **SEX:** Female **DAY ON TEST:** 735
DOSE: 100MG/KG **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Jejunum	Islets, Pancreatic
Liver	Lung	Lymph Node - Mandibular	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea		

OBSERVATIONS

Gallbladder	Mucosa	Hyperplasia	Focal, Mild
Intestine Small	Ileum	Amyloid Deposition	Marked
	Duodenum	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 1-10			
Kidney		Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Lymphoma Malignant Lymphocytic	
	Pancreatic	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 2-11			
Salivary Glands		Inflammation	Chronic, Minimal
Spleen		Lymphoma Malignant Lymphocytic	
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Marked
Note: HYPERPLASIA TGLs = 3-5			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 18

TRT#: 4

SEX: Female

DAY ON TEST: 691

DOSE: VEHICLE CONTROL

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	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	Urinary Bladder		

OBSERVATIONS

Adrenal Gland Note: PHEOCHROM BGN TGLs = 4-4	Medulla	Pheochromocytoma Benign	
Kidney	Renal Tubule	Pigmentation	Hemosiderin, Marked
Liver		Eosinophilic Focus	
Mesentery Note: NECROSIS TGLs = 2-11	Fat	Necrosis	Focal, Marked
Ovary		Fibrosis	Marked
		Inflammation	Chronic, Moderate
		Thrombosis	
Note: THROMBUS TGLs = 1-10			
Note: FIBROSIS TGLs = 1-10			
Spleen Note: HEMA CELL PROL TGLs = 3-2		Hematopoietic Cell Proliferation	Marked
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 18	TRT#: 5	SEX: Female	DAY ON TEST: 683
	DOSE: 50 MG/KG	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Brain		Carcinoma	Extension (Pituitary Gland), Metastatic (Pituitary Gland)
Kidney		Inflammation	Chronic, Mild
Mammary Gland		Hyperplasia	Mild
Ovary		Cyst	
Note: CYST	TGLs = 1-5		
Pituitary Gland	Pars Distalis	Carcinoma	
Note: CARCINOMA	TGLs = 3-4		
Salivary Glands		Inflammation	Chronic, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 19	TRT#: 4	SEX: Female	DAY ON TEST: 737
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Liver	Lung	Lymph Node - Mandibular
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

Bone		Fibrous Osteodystrophy	Minimal
Brain		Mineralization	Minimal
Kidney		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

Note: HYPERPLASIA TGLs = 1-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 19	TRT#: 5 DOSE: 50 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 737 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Ovary	Salivary Glands
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OBSERVATIONS

Liver		Basophilic Focus	
[Basophilic Focus TGLS = 2-11]			
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Uterus		Hemangioma	
[Hemangioma TGLS = 1-5]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 19

TRT#: 6

SEX: Female

DAY ON TEST: 721

DOSE: 100MG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Heart	Mammary Gland	Nose
Parathyroid Gland	Pituitary Gland	Stomach - Forestomach	Stomach - Glandular
Trachea	Uterus		

MISSING

Gallbladder	Islets, Pancreatic	Salivary Glands
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AUTO PRECLUDES DIAG.

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

OBSERVATIONS

Adrenal Gland	Cortex	Lymphoma Malignant
Kidney		Lymphoma Malignant
[Lymphoma Malignant TGLs = 3-1]		
Liver		Lymphoma Malignant
Lung		Lymphoma Malignant
Lymph Node	Axillary	Lymphoma Malignant
	Iliac	Lymphoma Malignant
	Inguinal	Lymphoma Malignant
	Lumbar	Lymphoma Malignant
	Mandibular	Lymphoma Malignant
	Mediastinal	Lymphoma Malignant
	Mesenteric	Lymphoma Malignant
	Popliteal	Lymphoma Malignant

Note: LYMPH MAL TGLs = 5-12
 Note: LYMPH MAL TGLs = 9-4
 Note: LYMPH MAL TGLs = 11-4
 Note: LYMPH MAL TGLs = 6-13
 Note: LYMPH MAL TGLs = 7-14
 Note: LYMPH MAL TGLs = 8-15

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 19	TRT#: 6	SEX: Female	DAY ON TEST: 721
	DOSE: 100MG/KG	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

[Lymphoma Malignant TGLS = 1-11]			
[Lymphoma Malignant TGLS = 10-10]			
Ovary		Lymphoma Malignant	
Note: LYMPH MAL TGLs = 4-5			
Skin	Subcut Tiss	Lymphoma Malignant	
Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 2-2]			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 20	TRT#: 4	SEX: Female	DAY ON TEST: 735
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea			

MISSING

Adrenal Gland - Medulla

OBSERVATIONS

Kidney		Lymphoma Malignant Lymphocytic	
Lung		Lymphoma Malignant Lymphocytic	
Lymph Node	Mandibular	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
Ovary		Inflammation	Suppurative, Marked
Salivary Glands		Lymphoma Malignant Lymphocytic	
Spleen		Lymphoma Malignant Lymphocytic	
Thymus		Lymphoma Malignant Lymphocytic	
Urinary Bladder		Lymphoma Malignant Lymphocytic	
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 20	TRT#: 6	SEX: Female	DAY ON TEST: 737
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Inflammation	Chronic, Minimal
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 2-2			
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Marked
Ovary	Periovarn Tiss	Inflammation	Chronic, Mild
Salivary Glands		Inflammation	Chronic, Minimal
Thymus		Ectopic Parathyroid Gland	
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA TGLs = 1-5			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 21 **TRT#:** 4 **SEX:** Female **DAY ON TEST:** 495
DOSE: VEHICLE CONTROL **DISP:** Dead **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Colon
Intestine Large - Rectum	Islets, Pancreatic	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Lymph Node - Mandibular	Thymus
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AUTO PRECLUDES DIAG.

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

Intestine Small	Duodenum	Lymphoma Malignant	
Note: LYMPH MAL TGLs = 10-11			
Note: LYMPH MAL TGLs = 9-11			
Kidney		Inflammation	Chronic, Minimal
Liver		Lymphoma Malignant	
Lung		Lymphoma Malignant	
Lymph Node	Lumbar	Lymphoma Malignant	
	Mesenteric	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
Note: LYMPH MAL TGLs = 5-4			
Note: LYMPH MAL TGLs = 7-10			
Note: LYMPH MAL TGLs = 6-10			
Spleen		Lymphoma Malignant	
Note: LYMPH MAL TGLs = 3-2			
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydroquinone

CAS Number: 123-31-9

Date Report Requested: 10/19/2014

Time Report Requested: 22:01:48

First Dose M/F: NA / NA

Lab: AM BIO

ANIMAL ID: 21

TRT#: 5

SEX: Female

DAY ON TEST: 735

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver Lymph Node - Mesenteric

MISSING

Thymus

OBSERVATIONS

Lung		Inflammation	Chronic, Minimal
Mesentery		Necrosis	Focal, Marked
Note: NECROSIS	TGLs = 4-10		
Ovary		Cyst	
Note: CYST	TGLs = 2-5		
Pituitary Gland		Adenoma	
Note: ADENOMA	TGLs = 3-4		
Salivary Glands		Inflammation	Chronic, Mild
Thyroid Gland		Adenoma	
		Hyperplasia	Moderate
Uterus		Hyperplasia	Cystic, Marked
Note: HYPERPLASIA	TGLs = 1-5		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 22

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Eye	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Pituitary Gland
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	

MISSING

Parathyroid Gland

OBSERVATIONS

Gallbladder		Inflammation	Chronic, Mild
Harderian Gland		Adenoma	
Note: ADENOMA	TGLs = 2-11		
Kidney		Inflammation	Chronic, Mild
Lymph Node	Deep Cervical	Hyperplasia	Plasma Cell, Marked
Note: HYPERPLASIA	TGLs = 1-10		
Salivary Glands		Inflammation	Chronic, Mild
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 23

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Nose
Pancreas	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	

MISSING

Parathyroid Gland

OBSERVATIONS

Intestine Small	Ileum	Lymphoma Malignant Lymphocytic	
Kidney	Capsule	Lymphoma Malignant Lymphocytic	
Liver		Hemangiosarcoma	
Note: HEMANGIOSARC	TGLs = 7-2		
Lung	Pleura	Lymphoma Malignant Lymphocytic	
Lymph Node	Mediastinal	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
	Pancreatic	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP	TGLs = 6-13		
Note: LYMPH MAL LYMP	TGLs = 5-4		
Mammary Gland		Adenocarcinoma	
Note: ADENOCARC	TGLs = 1-10		
Mesentery		Lymphoma Malignant Lymphocytic	
	Fat	Necrosis	Focal, Marked
[Lymphoma Malignant Lymphocytic	TGLS = 2-11,4-12]		
Ovary	Periovarn Tiss	Lymphoma Malignant Lymphocytic	
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL	TGLs = 3-2		
Thymus		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP	TGLs = 6-13		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 23

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Urinary Bladder		Lymphoma Malignant Lymphocytic	
Uterus	Endometrium	Hyperplasia	Cystic, Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 23	TRT#: 5 DOSE: 50 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 735 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Thyroid Gland
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OBSERVATIONS

Liver Note: HEPATOCLR ADEN TGLs = 2-2		Hepatocellular Adenoma	
Ovary Pituitary Gland Note: ADENOMA TGLs = 1-4	Periovarn Tiss Pars Distalis	Inflammation Adenoma	Chronic, Moderate
Salivary Glands		Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 23	TRT#: 6	SEX: Female	DAY ON TEST: 136
	DOSE: 100MG/KG	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Lymph Node - Mandibular	Lymph Node - Mesenteric	Thymus
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OBSERVATIONS

Kidney	Amyloid Deposition	Marked
Lung	Congestion	Moderate

Note: CONGESTION TGLs = 1-3

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 24	TRT#: 4	SEX: Female	DAY ON TEST: 735
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney	Renal Tubule	Adenoma Inflammation	Chronic, Minimal
Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery	Fat	Necrosis	Focal, Marked
Note: NECROSIS TGLs = 2-10			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-4			
Salivary Glands		Inflammation	Chronic, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 24 **TRT#:** 6 **SEX:** Female **DAY ON TEST:** 548
DOSE: 100MG/KG **DISP:** Moribund **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Liver	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Pituitary Gland	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Uterus

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hematopoietic Cell Proliferation	Moderate
Brain		Mineralization	Minimal
Kidney		Inflammation	Chronic, Moderate
Lung		Inflammation	Chronic, Minimal
Lymph Node	Axillary	Hyperplasia	Plasma Cell, Marked
	Mandibular	Hyperplasia	Plasma Cell, Marked
Note: HYPERPLASIA TGLs = 7-4			
Note: HYPERPLASIA TGLs = 5-11			
Ovary		Cyst	
	Periovarn Tiss	Inflammation	Chronic, Mild
Salivary Glands		Inflammation	Chronic, Mild
Skin		Ulcer	Marked
Note: ULCER TGLs = 2-10			
Note: ULCER TGLs = 3-10			
Note: ULCER TGLs = 1-10			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 4-2			
Thyroid Gland	Follicular Cel	Adenoma	
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 25

TRT#: 4

SEX: Female

DAY ON TEST: 737

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Nose	Ovary	Pancreas	Parathyroid Gland
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea		

OBSERVATIONS

Kidney		Inflammation	Chronic, Mild
Liver		Eosinophilic Focus	
Lymph Node	Mandibular	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
Mammary Gland		Hyperplasia	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 2-2		
Salivary Glands		Inflammation	Chronic, Mild
Spleen		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP	TGLs = 1-2		
Urinary Bladder	Submucosa	Inflammation	Chronic, Minimal
Uterus		Lymphoma Malignant Lymphocytic	

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 25	TRT#: 5	SEX: Female	DAY ON TEST: 735
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ovary

OBSERVATIONS

Liver		Basophilic Focus	
		Fatty Change	Moderate
		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 3-2,4-2]			
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 2-3			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-4			
Salivary Glands		Inflammation	Chronic, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 25

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Islets, Pancreatic	Lung	Nose
Ovary	Pancreas	Parathyroid Gland	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Uterus			

OBSERVATIONS

Intestine Small Note: LYMPH MAL LYMP TGLs = 1-6	Jejunum	Lymphoma Malignant Lymphocytic	
Kidney		Lymphoma Malignant Lymphocytic	
Liver		Lymphoma Malignant Lymphocytic	
Lymph Node Note: LYMPH MAL LYMP TGLs = 2-4,3-4	Mandibular Mesenteric	Lymphoma Malignant Lymphocytic Lymphoma Malignant Lymphocytic	
Mammary Gland		Hyperplasia	Mild
Pituitary Gland Note: ADENOMA TGLs = 4-4	Pars Distalis	Adenoma	
Salivary Glands		Inflammation	Chronic, Minimal
Spleen		Lymphoma Malignant Lymphocytic	
Thyroid Gland	Follicular Cel	Hyperplasia	Marked
		Inflammation	Chronic, Mild
Urinary Bladder	Submucosa	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 26

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Intestine Small Note: LYMPH MAL MIXD TGLs = 4-6	Jejunum	Lymphoma Malignant Mixed	
Kidney		Glomerulosclerosis Inflammation	Moderate Chronic, Mild
Liver		Lymphoma Malignant Mixed	
Lymph Node	Mesenteric	Lymphoma Malignant Mixed	
Mesentery Note: NECROSIS TGLs = 1-4	Fat	Necrosis	Focal, Marked
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
Salivary Glands		Inflammation	Chronic, Minimal
Spleen Note: LYMPH MAL MIXD TGLs = 3-2		Lymphoma Malignant Mixed	
Thymus Note: LYMPH MAL MIXD TGLs = 5-4		Lymphoma Malignant Mixed	
Uterus Note: HYDROMETRA TGLs = 2-5		Hydrometra	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 26	TRT#: 5	SEX: Female	DAY ON TEST: 735
	DOSE: 50 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Ovary
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OBSERVATIONS

Intestine Small Note: LYMPH MAL LYMP TGLs = 5-6	Ileum	Lymphoma Malignant Lymphocytic	
Liver Note: HEPATOCLR ADEN TGLs = 4-2,6-2 Note: ANGIECTASIS TGLs = 8-12		Angiectasis Basophilic Focus Hepatocellular Adenoma	Mild Multiple
Lymph Node Note: HEMORRHAGE TGLs = 3-10	Renal	Hemorrhage	Marked
Mammary Gland Note: ADENOCARC TGLs = 1-11		Adenocarcinoma	
Pituitary Gland Note: ADENOMA TGLs = 7-4	Pars Distalis	Adenoma	
Salivary Glands		Inflammation	Chronic, Mild
Spleen [Lymphoma Malignant Lymphocytic TGLS = 2-2]		Lymphoma Malignant Lymphocytic	
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 26

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Kidney		Inflammation	Chronic, Mild
Ovary		Cyst	
Salivary Glands		Inflammation	Chronic, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

Note: HYPERPLASIA TGLs = 1-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 27	TRT#: 5	SEX: Female	DAY ON TEST: 729
	DOSE: 50 MG/KG	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Uterus			

OBSERVATIONS

Kidney		Inflammation	Chronic, Minimal
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN	TGLs = 4-15		
Ovary	Periovarn Tiss	Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Angiectasis	Mild
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC	TGLs = 1-10,1-11,1-12		
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Urinary Bladder	Submucosa	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:48
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 27

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Harderian Gland		Adenoma	
Note: ADENOMA	TGLs = 3-10		
Kidney		Inflammation	Chronic, Minimal
Liver		Cyst	
Note: CYST	TGLs = 2-2		
Lymph Node		Hyperplasia	Plasma Cell, Marked
Ovary		Cyst	
Note: CYST	TGLs = 1-5		
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 28	TRT#: 4	SEX: Female	DAY ON TEST: 736
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Esophagus
Gallbladder	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Liver	Lung	Lymph Node - Mandibular	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Bone		Fibrous Osteodystrophy	Minimal
Brain		Mineralization	Minimal
Heart		Cardiomyopathy	Minimal
	Atrium	Thrombosis	
Note: THROMBUS	TGLs = 1-3		
Kidney		Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Congestion	Marked
Note: CONGESTION	TGLs = 2-4		
Salivary Glands		Inflammation	Chronic, Mild
Spleen		Lymphoma Malignant Lymphocytic	
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 28	TRT#: 5 DOSE: 50 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 735 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Ovary	Salivary Glands
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OBSERVATIONS

Liver Note: LYMPH MAL MIXD TGLs = 3-11		Lymphoma Malignant Mixed	
Lymph Node Note: LYMPH MAL MIXD TGLs = 2-4	Mesenteric	Lymphoma Malignant Mixed	
Spleen Note: LYMPH MAL MIXD TGLs = 1-2		Lymphoma Malignant Mixed	
Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 28	TRT#: 6	SEX: Female	DAY ON TEST: 736
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Trachea		

OBSERVATIONS

Kidney		Lymphoma Malignant Lymphocytic	
Liver		Lymphoma Malignant Lymphocytic	
Lymph Node	Mandibular	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
Ovary	Periovarn Tiss	Lymphoma Malignant Lymphocytic	
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Lymphoma Malignant Lymphocytic	
Thymus		Lymphoma Malignant Lymphocytic	
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 29	TRT#: 4	SEX: Female	DAY ON TEST: 293
	DOSE: VEHICLE CONTROL	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Islets, Pancreatic	Liver	Lung	Lymph Node - Mandibular
Nose	Ovary	Pancreas	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Uterus	

MISSING

Lymph Node - Mesenteric	Mammary Gland	Parathyroid Gland	Urinary Bladder
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AUTO PRECLUDES DIAG.

Intestine Large	Intestine Small	Thymus	Trachea
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OBSERVATIONS

Kidney	Amyloid Deposition	Marked
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PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 29	TRT#: 5	SEX: Female	DAY ON TEST: 721
	DOSE: 50 MG/KG	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea

MISSING

Parathyroid Gland	Spleen
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AUTO PRECLUDES DIAG.

Gallbladder	Intestine Large - Cecum
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OBSERVATIONS

Kidney		Inflammation	Chronic, Minimal
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 1-2			
Mesentery	Fat	Necrosis	Focal, Moderate
Note: NECROSIS TGLs = 2-4			
Pancreas		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Angiectasis	Mild
Salivary Glands		Inflammation	Chronic, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 29

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lung	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Tissue NOS	Trachea		

MISSING

Lymph Node - Mandibular	Parathyroid Gland
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OBSERVATIONS

Liver Note: HEPATOCLR ADEN TGLs = 2-2		Hepatocellular Adenoma	
Ovary Note: CYST TGLs = 5-5		Cyst	
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild
Uterus Note: HYDROMETRA TGLs = 4-5		Hydrometra	Marked

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 30	TRT#: 4	SEX: Female	DAY ON TEST: 737
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Inflammation	Chronic, Mild
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 1-2			
Mammary Gland		Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2-4			
Salivary Glands		Inflammation	Chronic, Mild
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild
Uterus		Hydrometra	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 30

TRT#: 5

SEX: Female

DAY ON TEST: 668

DOSE: 50 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Islets, Pancreatic
Lung	Nose	Parathyroid Gland	Stomach - Forestomach
Stomach - Glandular	Trachea		

MISSING

Mammary Gland

OBSERVATIONS

Intestine Large	Colon	Lymphoma Malignant Lymphocytic	
Intestine Small	Ileum	Lymphoma Malignant Lymphocytic	
	Jejunum	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 5-11			
Kidney		Inflammation	Chronic, Minimal
Liver		Lymphoma Malignant Lymphocytic	
Lymph Node	Lumbar	Lymphoma Malignant Lymphocytic	
	Mandibular	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 4-10			
Note: LYMPH MAL LYMP TGLs = 6-12			
Mesentery		Lymphoma Malignant Lymphocytic	
		Necrosis	Focal, Marked
Note: NECROSIS TGLs = 7-13			
Ovary		Lymphoma Malignant Lymphocytic	
Pancreas		Lymphoma Malignant Lymphocytic	
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
Salivary Glands		Inflammation	Chronic, Minimal
Skin	Subcut Tiss	Lymphoma Malignant Lymphocytic	
Spleen		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 1-2			
Thymus		Lymphoma Malignant Lymphocytic	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 30	TRT#: 5 DOSE: 50 MG/KG	SEX: Female DISP: Moribund	DAY ON TEST: 668 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Note: LYMPH MAL LYMP TGLs = 8-4			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Urinary Bladder		Lymphoma Malignant Lymphocytic	
Uterus	Endometrium	Hyperplasia	Cystic, Mild
Note: HYPERPLASIA TGLs = 3-5			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 30

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	

OBSERVATIONS

Harderian Gland		Adenoma	
Note: ADENOMA	TGLs = 4-10		
Kidney	Renal Tubule	Adenoma	
		Inflammation	Chronic, Moderate
[Adenoma TGLS = 2-1]			
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC	TGLs = 1-2		
[Hepatocellular Carcinoma TGLS = 5-2]			
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Marked
	Mesenteric	Hyperplasia	Lymphoid, Moderate
Ovary	Periovarn Tiss	Inflammation	Chronic, Moderate
Salivary Glands		Inflammation	Chronic, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Marked
Urinary Bladder	Submucosa	Inflammation	Chronic, Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA	TGLs = 3-5		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 31	TRT#: 4	SEX: Female	DAY ON TEST: 637
	DOSE: VEHICLE CONTROL	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Amyloid Deposition	Marked
Lymph Node			
Note: LUMBAR & ILIAC L.N. WERE OBSERVED AND WERE NORMAL>			
Ovary		Cyst	
Note: CYST TGLs = 5-5			
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA TGLs = 2-5			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 31	TRT#: 5 DOSE: 50 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 735 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Ovary
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OBSERVATIONS

Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 1-2]			
Salivary Glands		Inflammation	Chronic, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 31	TRT#: 6	SEX: Female	DAY ON TEST: 735
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	

MISSING

Parathyroid Gland	Pituitary Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Diffuse, Marked
Kidney		Inflammation	Chronic, Minimal
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 2-2			
Salivary Glands		Inflammation	Chronic, Minimal
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Marked
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA TGLs = 1-5			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 32 **TRT#:** 4 **SEX:** Female **DAY ON TEST:** 735
DOSE: VEHICLE CONTROL **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Uterus		

MISSING

Thymus

OBSERVATIONS

Kidney		Inflammation	Chronic, Minimal
Mammary Gland		Hyperplasia	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-4			
Salivary Glands		Inflammation	Chronic, Minimal
Urinary Bladder		Cytomegaly	Mild
	Submucosa	Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 32	TRT#: 5 DOSE: 50 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 735 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Ovary	Salivary Glands
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OBSERVATIONS

Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 2-12			
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Polyp Stromal	
Note: HYPERPLASIA TGLs = 1-5			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 32

TRT#: 6

SEX: Female

DAY ON TEST: 14

DOSE: 100MG/KG

DISP: Accident

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Cecum
Intestine Small - Jejunum
Lymph Node - Mandibular
Pancreas
Skin
Thymus
Uterus

Adrenal Gland - Medulla
Esophagus
Intestine Large - Colon
Islets, Pancreatic
Lymph Node - Mesenteric
Parathyroid Gland
Spleen
Thyroid Gland

Bone
Gallbladder
Intestine Small - Duodenum
Kidney
Nose
Pituitary Gland
Stomach - Forestomach
Trachea

Bone Marrow
Heart
Intestine Small - Ileum
Liver
Ovary
Salivary Glands
Stomach - Glandular
Urinary Bladder

MISSING

Intestine Large - Rectum

Mammary Gland

OBSERVATIONS

Lung

Congestion

Moderate

Note: CONGESTION TGLs = 1-3

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 33	TRT#: 5 DOSE: 50 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 735 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Lung	Ovary
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OBSERVATIONS

Salivary Glands		Inflammation	Chronic, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

Note: HYPERPLASIA TGLs = 1-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 33

TRT#: 6

SEX: Female

DAY ON TEST: 15

DOSE: 100MG/KG

DISP: Accident

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Cecum
Intestine Small - Jejunum
Lung
Nose
Pituitary Gland
Stomach - Forestomach
Trachea

Adrenal Gland - Medulla
Esophagus
Intestine Large - Colon
Islets, Pancreatic
Lymph Node - Mandibular
Ovary
Salivary Glands
Stomach - Glandular
Urinary Bladder

Bone
Gallbladder
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Pancreas
Skin
Thymus
Uterus

Bone Marrow
Heart
Intestine Small - Ileum
Liver
Mammary Gland
Parathyroid Gland
Spleen
Thyroid Gland

MISSING

Intestine Large - Rectum

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 34	TRT#: 4	SEX: Female	DAY ON TEST: 372
	DOSE: VEHICLE CONTROL	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Jejunum	Lung	Lymph Node - Mesenteric
Nose	Ovary	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Gallbladder	Islets, Pancreatic	Lymph Node - Mandibular	Pancreas
Parathyroid Gland	Thymus		

AUTO PRECLUDES DIAG.

Intestine Large - Rectum	Intestine Small - Ileum
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OBSERVATIONS

Heart	Inflammation	Chronic, Moderate
Kidney	Inflammation	Chronic, Minimal
Liver	Congestion	Mild
Mammary Gland	Adenocarcinoma	
Note: ADENOCARC TGLs = 1-10		
Spleen	Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 4-2		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 34

TRT#: 6

SEX: Female

DAY ON TEST: 15

DOSE: 100MG/KG

DISP: Accident

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Cecum
Intestine Small - Jejunum
Lymph Node - Mesenteric
Pancreas
Spleen
Thyroid Gland

Adrenal Gland - Medulla
Esophagus
Intestine Large - Colon
Islets, Pancreatic
Mammary Gland
Pituitary Gland
Stomach - Forestomach
Trachea

Bone
Gallbladder
Intestine Small - Duodenum
Kidney
Nose
Salivary Glands
Stomach - Glandular
Urinary Bladder

Bone Marrow
Heart
Intestine Small - Ileum
Liver
Ovary
Skin
Thymus
Uterus

MISSING

Intestine Large - Rectum

Lymph Node - Mandibular

Parathyroid Gland

OBSERVATIONS

Lung

Congestion

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 35	TRT#: 5 DOSE: 50 MG/KG	SEX: Female DISP: Moribund	DAY ON TEST: 534 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Uterus

MISSING

Gallbladder	Pituitary Gland		
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OBSERVATIONS

Adrenal Gland Note: PRIMARY-SITE IS LIVER	Capsule	Cholangiocarcinoma	Metastatic (Uncertain Primary Site)
Bone Note: CHOLANGIOCARC TGLs = 9-9 Note: PRIMARY-SITE IS LIVER	Vertebra	Cholangiocarcinoma	Metastatic (Uncertain Primary Site)
Kidney Note: PRIMARY-SITE IS LIVER	Capsule	Cholangiocarcinoma Hepatocellular Carcinoma	Metastatic (Uncertain Primary Site) Metastatic (Uncertain Primary Site)
Liver Note: HEPATOCLR CARC TGLs = 12-15 Note: HEPATOCLR CARC TGLs = 13-16 Note: PRIMARY-SITE IS LIVER Note: HEPATOCLR CARC TGLs = 11-14 Note: HEPATOCLR CARC TGLs = 13-17		Cholangiocarcinoma Hepatocellular Adenoma Hepatocellular Carcinoma Hepatocellular Carcinoma Hepatocellular Carcinoma	Metastatic (Uncertain Primary Site) Multiple
Lung Note: HEPATOCLR CARC TGLs = 8-3		Hepatocellular Carcinoma	Metastatic (Liver)
Lymph Node	Mesenteric, Renal	Cholangiocarcinoma	Metastatic (Uncertain Primary Site)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 35	TRT#: 5 DOSE: 50 MG/KG	SEX: Female DISP: Moribund	DAY ON TEST: 534 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Note: PRIMARY-SITE IS LIVER			
Note: CHOLANGIOCARC TGLs = 16-4			
Note: CHOLANGIOCARC TGLs = 17-20			
Mammary Gland		Cholangiocarcinoma	Metastatic (Uncertain Primary Site), Multiple (Uncertain Primary Site)
	Thoracic	Hepatocellular Carcinoma	Metastatic (Liver)
Note: CHOLANGIOCARC TGLs = 4-11			
Note: HEPATOCLR CARC TGLs = 6-12			
Note: CHOLANGIOCARC TGLs = 3-8			
Note: CHOLANGIOCARC TGLs = 6-12			
Note: CHOLANGIOCARC TGLs = 7-13			
Note: CHOLANGIOCARC TGLs = 5-11			
Mesentery		Cholangiocarcinoma	Metastatic (Uncertain Primary Site)
Note: CHOLANGIOCARC TGLs = 10-4			
Note: PRIMARY-SITE IS LIVER			
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Skeletal Muscle	Abdominal, Diaphragm	Cholangiocarcinoma	Metastatic (Uncertain Primary Site)
Note: CHOLANGIOCARC TGLs = 21-10			
Note: CHOLANGIOCARC TGLs = 2-10			
Note: PRIMARY-SITE IS LIVER			
Skin	Subcut Tiss	Hepatocellular Carcinoma	Metastatic (Liver)
Spleen	Capsule	Cholangiocarcinoma	Metastatic (Uncertain Primary Site)
		Hematopoietic Cell Proliferation	Marked
Note: PRIMARY-SITE IS LIVER			
Note: HEMA CELL PROL TGLs = 23-2			
Urinary Bladder	Subserosa	Inflammation	Chronic, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 35

TRT#: 6

SEX: Female

DAY ON TEST: 15

DOSE: 100MG/KG

DISP: Accident

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Cecum
Intestine Small - Jejunum
Lung
Pancreas
Spleen
Thyroid Gland

Adrenal Gland - Medulla
Esophagus
Intestine Large - Colon
Islets, Pancreatic
Lymph Node - Mandibular
Pituitary Gland
Stomach - Forestomach
Trachea

Bone
Gallbladder
Intestine Small - Duodenum
Kidney
Mammary Gland
Salivary Glands
Stomach - Glandular
Urinary Bladder

Bone Marrow
Heart
Intestine Small - Ileum
Liver
Ovary
Skin
Thymus
Uterus

MISSING

Intestine Large - Rectum

Lymph Node - Mesenteric

Parathyroid Gland

OBSERVATIONS

Nose

Inflammation

Acute, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 36 **TRT#:** 4 **SEX:** Female **DAY ON TEST:** 735
DOSE: VEHICLE CONTROL **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pituitary Gland	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea

MISSING

Parathyroid Gland

OBSERVATIONS

Bone		Fibrous Osteodystrophy	Minimal
Brain	Cerebrum	Inflammation	Chronic, Focal, Mild
		Mineralization	Minimal
Kidney		Inflammation	Chronic, Mild
Liver		Inflammation	Chronic, Minimal
Mesentery	Fat	Necrosis	Focal, Marked
Note: NECROSIS TGLs = 2-10			
Ovary		Cyst	
Pancreas	Duct	Ectasia	Marked
	Duct	Ectasia	Marked
		Inflammation	Chronic, Marked
Note: INFLAMMATION TGLs = 2-10			
Note: ECTASIA TGLs = 1-10			
Note: ECTASIA TGLs = 2-10			
Salivary Glands		Inflammation	Chronic, Minimal
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 4-2			
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Mild
Note: HYPERPLASIA TGLs = 3-5			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 36

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 36	TRT#: 5 DOSE: 50 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 735 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Lung	Ovary
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OBSERVATIONS

Salivary Glands		Inflammation	Chronic, Minimal
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 36	TRT#: 6	SEX: Female	DAY ON TEST: 736
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Uterus	

MISSING

Pituitary Gland

OBSERVATIONS

Kidney		Inflammation	Chronic, Minimal
		Nephropathy	Moderate
Salivary Glands		Inflammation	Chronic, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Urinary Bladder	Submucosa	Inflammation	Hemorrhagic, Chronic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 37	TRT#: 4	SEX: Female	DAY ON TEST: 735
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Inflammation	Chronic, Minimal
Mammary Gland		Adenocarcinoma	
Note: ADENOCARC	TGLs = 1-8		
Ovary		Cyst	
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
Salivary Glands		Inflammation	Chronic, Moderate
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Marked
Note: HYPERPLASIA	TGLs = 2-5		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 37

TRT#: 5

SEX: Female

DAY ON TEST: 616

DOSE: 50 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Nose
Pancreas	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea		

MISSING

Clitoral Gland	Parathyroid Gland
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OBSERVATIONS

Brain		Lymphoma Malignant Lymphocytic
Kidney		Lymphoma Malignant Lymphocytic
[Lymphoma Malignant Lymphocytic TGLS = 3-1]		
Liver		Lymphoma Malignant Mixed
Lymph Node	Deep Cervical	Lymphoma Malignant Mixed
	Iliac	Lymphoma Malignant Mixed
	Lumbar	Lymphoma Malignant Mixed
	Mandibular	Lymphoma Malignant Mixed
	Mediastinal	Lymphoma Malignant Mixed
	Mesenteric	Lymphoma Malignant Mixed
Note: LYMPH MAL MIXD	TGLs = 8-10	
Note: LYMPH MAL MIXD	TGLs = 5-4	
Note: LYMPH MAL MIXD	TGLs = 10-12	
Note: LYMPH MAL MIXD	TGLs = 9-11	
Mammary Gland		Lymphoma Malignant Lymphocytic
Ovary		Lymphoma Malignant Lymphocytic
Pituitary Gland	Pars Distalis	Adenoma
Salivary Glands		Lymphoma Malignant Lymphocytic
Spleen		Lymphoma Malignant Lymphocytic
Note: LYMPH MAL LYMP	TGLs = 4-2	
Thyroid Gland	Follicular Cel	Hyperplasia
		Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 37	TRT#: 5 DOSE: 50 MG/KG	SEX: Female DISP: Moribund	DAY ON TEST: 616 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Urinary Bladder		Polyarteritis	Mild
Uterus	Endometrium	Lymphoma Malignant Lymphocytic Hyperplasia	Cystic, Mild
Note: HYPERPLASIA	TGLs = 2-5		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 37	TRT#: 6	SEX: Female	DAY ON TEST: 656
	DOSE: 100MG/KG	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Trachea
Uterus			

MISSING

Lymph Node - Mandibular	Thymus
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AUTO PRECLUDES DIAG.

Gallbladder

OBSERVATIONS

Kidney		Inflammation	Chronic, Mild
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN	TGLs = 3-2		
Lung		Inflammation	Chronic, Mild
Mammary Gland		Adenocarcinoma	
Note: ADENOCARC	TGLs = 1-10		
Ovary		Cyst	
Note: CYST	TGLs = 2-5		
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 38	TRT#: 4 DOSE: VEHICLE CONTROL	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 736 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	

MISSING

Urinary Bladder	Uterus
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OBSERVATIONS

Intestine Small Note: LYMPH MAL LYMP TGLs = 1-6	Jejunum	Lymphoma Malignant Lymphocytic	
Kidney		Lymphoma Malignant Lymphocytic	
Liver Note: HEPATOCLR ADEN TGLs = 5-2		Basophilic Focus	
		Hepatocellular Adenoma	
Lymph Node Note: LYMPH MAL LYMP TGLs = 2-4	Mandibular	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
		Lymphoma Malignant Lymphocytic	
Mesentery Note: LYMPH MAL LYMP TGLs = 3-10		Lymphoma Malignant Lymphocytic	
Ovary Note: CYST TGLs = 4-5		Cyst	
		Lymphoma Malignant Lymphocytic	
Salivary Glands		Inflammation	Chronic, Mild
Spleen		Lymphoma Malignant Lymphocytic	

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 38

TRT#: 5

SEX: Female

DAY ON TEST: 736

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Ovary

OBSERVATIONS

Liver			Basophilic Focus	
			Inflammation	Chronic, Minimal
Lung	Alveolar Epith		Hyperplasia	Minimal
	Alveolus		Hyperplasia	Macrophage, Moderate
Note: HYPERPLASIA	TGLs = 6-11			
Lymph Node	Mediastinal		Hyperplasia	Lymphoid, Marked
Note: HYPERPLASIA	TGLs = 5-4			
Mesentery	Fat		Necrosis	Focal, Marked
Note: NECROSIS	TGLs = 3-4			
Pituitary Gland	Pars Distalis		Adenoma	
Note: ADENOMA	TGLs = 4-4			
Salivary Glands			Inflammation	Chronic, Mild
Thyroid Gland	Follicular Cel		Hyperplasia	Marked
			Inflammation	Chronic, Moderate
Note: HYPERPLASIA	TGLs = 2-4			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 38

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Harderian Gland		Carcinoma	
Note: CARCINOMA	TGLs = 3-11		
Kidney		Inflammation	Chronic, Mild
Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
Lung		Carcinoma	Metastatic (Uncertain Primary Site)
Note: CARCINOMA	TGLs = 4-3		
Lymph Node	Mesenteric	Lymphoma Malignant Mixed	
	Renal	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD	TGLs = 1-4		
Note: LYMPH MAL MIXD	TGLs = 2-10		
Ovary		Cyst	
Salivary Glands		Inflammation	Chronic, Minimal
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD	TGLs = 5-2		
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 39	TRT#: 5 DOSE: 50 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 736 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Ovary	Salivary Glands
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OBSERVATIONS

Liver		Hepatocellular Adenoma Hyperplasia	Multiple Lymphoid, Moderate
Note: HEPATOCLR ADEN TGLs = 2-2			
Note: HEPATOCLR ADEN TGLs = 4-12			
Spleen		Hyperplasia Pigmentation	Lymphoid, Moderate Hemosiderin, Marked
Note: HYPERPLASIA TGLs = 3-2			
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA TGLs = 1-5			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 39

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Islets, Pancreatic	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Skin
Stomach - Forestomach	Stomach - Glandular	Trachea	

OBSERVATIONS

Intestine Small Note: LYMPH MAL MIXD TGLs = 2-6	Jejunum	Lymphoma Malignant Mixed	
Kidney		Lymphoma Malignant Mixed	
Liver		Lymphoma Malignant Mixed	
Lung		Lymphoma Malignant Mixed	
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
Mesentery		Lymphoma Malignant Mixed	
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Salivary Glands		Inflammation	Chronic, Moderate
Spleen Note: LYMPH MAL MIXD TGLs = 1-2		Lymphoma Malignant Mixed	
Thymus Note: LYMPH MAL MIXD TGLs = 3-4		Lymphoma Malignant Mixed	
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Moderate
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 40	TRT#: 4	SEX: Female	DAY ON TEST: 736
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Moderate
Mammary Gland		Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Focal, Mild
Note: ADENOMA	TGLs = 1-4		
Note: HYPERPLASIA	TGLs = 1-4		
Salivary Glands		Inflammation	Chronic, Mild
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Mild
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 40	TRT#: 5 DOSE: 50 MG/KG	SEX: Female DISP: Moribund	DAY ON TEST: 717 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Esophagus
Gallbladder	Heart	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lung	Lymph Node - Mandibular	Mammary Gland	Nose
Ovary	Pancreas	Salivary Glands	Skin
Stomach - Forestomach	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Adrenal Gland	Intestine Large - Cecum	Parathyroid Gland	Pituitary Gland
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OBSERVATIONS

Intestine Small	Duodenum, Muscularis	Inflammation	Acute, Moderate
Liver		Necrosis	Moderate
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Marked
Mesentery		Inflammation	Chronic, Marked
Note: INFLAMMATION TGLs = 3-4			
Spleen		Fibrosis	Marked
[Fibrosis TGLS = 1-2]			
Stomach	Glandular	Erosion	Focal, Moderate
Note: EROSION TGLs = 2-6			
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 40	TRT#: 6 DOSE: 100MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 737 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Lymphoma Malignant Mixed	
Liver		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 2-2			
Lymph Node	Lumbar	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
	Pancreatic	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 7-10			
Note: LYMPH MAL MIXD TGLs = 6-4			
Mammary Gland		Hyperplasia	Minimal
Ovary		Cyst	
	Periovarn Tiss	Lymphoma Malignant Mixed	
Note: CYST TGLs = 5-5			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 3-4			
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 1-2			
Thyroid Gland	Follicular Cel	Hyperplasia	Marked
		Inflammation	Chronic, Mild
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Marked
Note: HYPERPLASIA TGLs = 4-5			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 41 **TRT#:** 5 **SEX:** Female **DAY ON TEST:** 668
DOSE: 50 MG/KG **DISP:** Moribund **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Skin
Stomach - Forestomach	Trachea	Urinary Bladder	

MISSING

Adrenal Gland	Stomach - Glandular
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OBSERVATIONS

Kidney		Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 3-1]			
Liver		Cyst	
		Hepatocellular Carcinoma	
		Lymphoma Malignant Lymphocytic	
[Cyst TGLS = 4-2]			
[Hepatocellular Carcinoma TGLS = 5-2]			
[Lymphoma Malignant Lymphocytic TGLS = 6-2]			
Lymph Node	Lumbar	Lymphoma Malignant Lymphocytic	
	Mandibular	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 9-10			
Ovary	Periovarn Tiss	Necrosis	Mild
Salivary Glands		Lymphoma Malignant Lymphocytic	
Spleen		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 2-2			
Thymus		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 8-4			
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydroquinone

CAS Number: 123-31-9

Date Report Requested: 10/19/2014

Time Report Requested: 22:01:49

First Dose M/F: NA / NA

Lab: AM BIO

ANIMAL ID: 41

TRT#: 5

SEX: Female

DAY ON TEST: 668

DOSE: 50 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HYPERPLASIA TGLs = 1-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 41

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Esophagus
Eye	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Skin
Stomach - Forestomach	Stomach - Glandular	Trachea	

MISSING

Adrenal Gland - Medulla

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Moderate
Intestine Small	Duodenum	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 7-6			
Kidney		Lymphoma Malignant Lymphocytic	
Liver		Hepatocellular Adenoma	
		Inflammation	Chronic, Minimal
Note: HEPATOCLR ADEN TGLs = 5-2			
Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolus	Hyperplasia	Macrophage, Moderate
		Lymphoma Malignant Lymphocytic	
Note: ALV BRON CARC TGLs = 3-3			
Lymph Node	Mandibular	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
Ovary		Cyst	
Salivary Glands		Inflammation	Chronic, Mild
Spleen		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 1-2			
Thymus		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 2-4			
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 41

TRT#: 6
DOSE: 100MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 737
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Uterus	Endometrium	Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA TGLs = 4-5			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 42 **TRT#:** 4 **SEX:** Female **DAY ON TEST:** 735
DOSE: VEHICLE CONTROL **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Liver	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Bone		Fibrous Osteodystrophy	Minimal
Brain		Mineralization	Minimal
Kidney		Inflammation	Chronic, Mild
Mesentery	Perivascular	Inflammation	Chronic, Mild
Ovary	Periovarn Tiss	Inflammation	Chronic, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Salivary Glands		Inflammation	Chronic, Mild
Urinary Bladder	Submucosa	Inflammation	Chronic, Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Mild

Note: HYPERPLASIA TGLs = 1-5

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 42	TRT#: 5 DOSE: 50 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 737 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Ovary	Salivary Glands
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OBSERVATIONS

Liver Note: BASOPH FOCUS TGLs = 2-22		Basophilic Focus	
Thyroid Gland	Follicular Cel Follicular Cel	Adenoma Hyperplasia Inflammation	Moderate Chronic, Mild
Uterus Note: HYPERPLASIA TGLs = 1-5	Endometrium	Hyperplasia	Cystic, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 43

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lung
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea		

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Liver		Inflammation	Chronic, Mild
Lymph Node	Bronchial	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
	Pancreatic	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD	TGLs = 3-10		
Note: LYMPH MAL MIXD	TGLs = 4-10		
Ovary	Periovarn Tiss	Lymphoma Malignant Mixed	
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Salivary Glands		Inflammation	Chronic, Minimal
Spleen		Lymphoma Malignant Mixed	
	[Lymphoma Malignant Mixed TGLS = 1-2]		
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Marked
Note: HYPERPLASIA	TGLs = 2-5		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 43

TRT#: 5

SEX: Female

DAY ON TEST: 737

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung

Ovary

OBSERVATIONS

Liver

Fatty Change

Mild

Salivary Glands

Inflammation

Chronic, Mild

Thyroid Gland

Follicular Cel

Hyperplasia

Mild

Uterus

Endometrium

Hyperplasia

Cystic, Moderate

Note: HYPERPLASIA TGLs = 1-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 43

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Brain		Atrophy	Moderate
Note: ATROPHY	TGLs = 3-7		
Kidney		Inflammation	Chronic, Minimal
Lacrimal Gland		Inflammation	Chronic, Mild
Note: INFLAMMATION	TGLs = 1-10		
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN	TGLs = 4-2		
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN	TGLs = 1-3		
Mammary Gland		Hyperplasia	Minimal
Pituitary Gland	Pars Intermed	Adenoma	
Note: ADENOMA	TGLs = 2-4		
Salivary Glands		Inflammation	Chronic, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 44	TRT#: 4	SEX: Female	DAY ON TEST: 431
	DOSE: VEHICLE CONTROL	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Kidney	Liver	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Islets, Pancreatic	Stomach
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AUTO PRECLUDES DIAG.

Gallbladder

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 44	TRT#: 5 DOSE: 50 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 735 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Ovary
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OBSERVATIONS

Liver		Angiectasis Eosinophilic Focus	Moderate
Note: EOSIN FOCUS TGLs = 4-11 [Angiectasis TGLS = 2-2]			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 3-4			
Salivary Glands		Inflammation	Chronic, Mild
Spleen		Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 1-2]			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 44	TRT#: 6	SEX: Female	DAY ON TEST: 737
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Inflammation	Chronic, Mild
Ovary		Cyst	
Pituitary Gland	Pars Distalis	Angiectasis	Minimal
Salivary Glands		Inflammation	Chronic, Moderate
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
Urinary Bladder	Submucosa	Inflammation	Chronic, Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Marked

Note: HYPERPLASIA TGLs = 1-5

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 45

TRT#: 4

SEX: Female

DAY ON TEST: 737

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea			

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Kidney		Inflammation	Chronic, Mild
Liver		Inflammation	Chronic, Minimal
Lung		Basal Cell Carcinoma	Metastatic (Uncertain Primary Site)
Note: BASAL CEL CARC TGLs = 4-3			
Mesentery	Fat	Hemorrhage	Focal, Moderate
		Inflammation	Chronic, Moderate
Note: HEMORRHAGE TGLs = 3-6			
Note: INFLAMMATION TGLs = 3-6			
Ovary		Cyst	
Pituitary Gland	Pars Intermed	Adenoma	
Note: ADENOMA TGLs = 5-4			
Salivary Glands		Inflammation	Chronic, Minimal
Skin		Basal Cell Carcinoma	
		Ulcer	Marked
Note: ULCER TGLs = 1-8			
Note: [BASAL CEL CARC] TGLs = 1-8			
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 45

TRT#: 4

SEX: Female

DAY ON TEST: 737

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HYPERPLASIA TGLs = 2-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 45	TRT#: 5 DOSE: 50 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 736 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Lung	Salivary Glands
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OBSERVATIONS

Ovary	Periovarn Tiss	Inflammation	Chronic, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 45	TRT#: 6	SEX: Female	DAY ON TEST: 736
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea			

OBSERVATIONS

Bone		Fibrous Osteodystrophy	Mild
Kidney		Inflammation	Chronic, Minimal
Lung	Artery	Hypertrophy	Moderate
Salivary Glands		Inflammation	Chronic, Minimal
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
		Inflammation	Chronic, Mild
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 46

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Pituitary Gland
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea			

MISSING

Adrenal Gland - Medulla	Parathyroid Gland
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OBSERVATIONS

Kidney		Inflammation	Chronic, Mild
Liver		Lymphoma Malignant Lymphocytic	
Lymph Node	Mediastinal	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 2-4			
Ovary	Periovarn Tiss	Inflammation	Chronic, Minimal
Salivary Glands		Inflammation	Chronic, Minimal
Spleen		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 1-2			
Thymus		Lymphoma Malignant Lymphocytic	
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Marked
Note: HYPERPLASIA TGLs = 3-5			

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 46

TRT#: 5
DOSE: 50 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 735
HISTO:

OBSERVATIONS

Liver		Hematopoietic Cell Proliferation	Marked
		Necrosis	Mild
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN	TGLs = 3-3		
Mammary Gland		Adenocarcinoma	
Note: ADENOCARC	TGLs = 1-8		
Ovary		Hemorrhage	Marked
Note: HEMORRHAGE	TGLs = 2-5		
Pituitary Gland		Adenoma	
Note: ADENOMA	TGLs = 4-4		
Salivary Glands		Inflammation	Chronic, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 46

TRT#: 6

SEX: Female

DAY ON TEST: 672

DOSE: 100MG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Islets, Pancreatic	Kidney
Lung	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Trachea
Urinary Bladder	Uterus		

MISSING

Thymus

AUTO PRECLUDES DIAG.

Intestine Small - Duodenum

OBSERVATIONS

Adrenal Gland	Cortex	Hematopoietic Cell Proliferation	Moderate
Intestine Small	Ileum	Lymphoma Malignant Lymphocytic	
	Jejunum	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP	TGLs = 6-6		
Note: LYMPH MAL LYMP	TGLs = 3-10,4-10,5-10		
Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 2-2]			
Lymph Node	Mandibular	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
	Pancreatic	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP	TGLs = 8-4,8-11		
[Lymphoma Malignant Lymphocytic TGLS = 9-12]			
Spleen		Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 1-2]			
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 47	TRT#: 4	SEX: Female	DAY ON TEST: 735
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Inflammation	Chronic, Minimal
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC	TGLs = 1-10		
Ovary		Cyst	
Note: CYST	TGLs = 2-5	Periovarn Tiss	Inflammation
			Chronic, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Salivary Glands		Inflammation	Chronic, Mild
Urinary Bladder	Submucosa	Inflammation	Chronic, Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 47	TRT#: 5 DOSE: 50 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 736 HISTO:
OBSERVATIONS			
Liver		Lymphoma Malignant Lymphocytic	
Lung		Lymphoma Malignant Lymphocytic	
Lymph Node	Mediastinal	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 4-4			
Ovary		Adenoma	
		Cyst	
		Lymphoma Malignant Lymphocytic	
Note: CYST TGLs = 2-5			
Salivary Glands		Inflammation	Chronic, Mild
Spleen		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 5-2			
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
<hr/> PRIMARY CAUSE OF DEATH -			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 48 **TRT#:** 4 **SEX:** Female **DAY ON TEST:** 558
DOSE: VEHICLE CONTROL **DISP:** Dead **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Nose Thymus

AUTO PRECLUDES DIAG.

Gallbladder Intestine Small - Ileum

OBSERVATIONS

Adrenal Gland	Capsule	Lymphoma Malignant	
Kidney		Lymphoma Malignant	
Liver		Necrosis	Minimal
Lung		Alveolar/Bronchiolar Adenoma	
Lymph Node	Mandibular	Lymphoma Malignant	
	Mesenteric	Lymphoma Malignant	
		Lymphoma Malignant	
Note: LYMPH MAL TGLs = 5-4			
Mesentery	Fat	Lymphoma Malignant	
	Fat	Lymphoma Malignant	
	Fat	Lymphoma Malignant	
		Lymphoma Malignant	
Note: LYMPH MAL TGLs = 6-12			
Note: LYMPH MAL TGLs = 3-11			
Note: LYMPH MAL TGLs = 2-10			
Note: LYMPH MAL TGLs = 7-13			
Ovary	Periovarn Tiss	Lymphoma Malignant	
Spleen		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 48

TRT#: 4

SEX: Female

DAY ON TEST: 558

DOSE: VEHICLE CONTROL

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Uterus

Serosa

Lymphoma Malignant

Note: LYMPH MAL TGLs = 8-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 48	TRT#: 5 DOSE: 50 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 737 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Lung
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MISSING

Pituitary Gland

OBSERVATIONS

Ovary Note: CYST TGLs = 2-5		Cyst	
Salivary Glands		Inflammation	Chronic, Minimal
Spleen Note: LYMPH MAL MIXD TGLs = 3-2		Lymphoma Malignant Mixed	
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus Note: HYPERPLASIA TGLs = 1-5	Endometrium	Hyperplasia	Cystic, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 49 **TRT#:** 4 **SEX:** Female **DAY ON TEST:** 736
DOSE: VEHICLE CONTROL **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Focal, Mild
Kidney		Inflammation	Chronic, Minimal
Liver		Eosinophilic Focus	
		Fatty Change	Minimal
Note: EOSIN FOCUS TGLs = 4-2			
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 3-3			
Mesentery	Fat	Necrosis	Focal, Moderate
Note: NECROSIS TGLs = 1-6			
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Salivary Glands		Inflammation	Chronic, Mild
Urinary Bladder	Submucosa	Inflammation	Chronic, Minimal
Uterus	Endometrium	Hemorrhage	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA TGLs = 2-5			
Note: HEMORRHAGE TGLs = 2-5			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 49

TRT#: 5

SEX: Female

DAY ON TEST: 736

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Liver
Note: HEMANGIOMA TGLs = 2-2

Hemangioma

Lung
Note: ALV BRON ADEN TGLs = 1-3

Alveolar/Bronchiolar Adenoma

Ovary
Note: CYST TGLs = 3-5

Cyst

Salivary Glands

Inflammation

Chronic, Mild

Thyroid Gland

Follicular Cel

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 49

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Liver		Inflammation	Chronic, Mild
Mesentery	Fat	Necrosis	Focal, Moderate
Note: NECROSIS	TGLs = 2-6		
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Salivary Glands		Inflammation	Chronic, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA	TGLs = 3-5		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 50

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Inflammation	Chronic, Minimal
Liver		Angiectasis	Minimal
		Hemangioma	
Note: ANGIECTASIS TGLs = 6-12			
Lymph Node	Lumbar	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 5-10			
Mesentery	Fat	Necrosis	Focal, Marked
Note: NECROSIS TGLs = 3-6			
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 4-2			
Urinary Bladder	Submucosa	Inflammation	Chronic, Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Marked
Note: HYPERPLASIA TGLs = 1-5			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 50

TRT#: 5

SEX: Female

DAY ON TEST: 736

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver

Lung

Ovary

Salivary Glands

OBSERVATIONS

Thyroid Gland

Follicular Cel

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 50

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Nose	Ovary	Pituitary Gland	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea			

MISSING

Parathyroid Gland

OBSERVATIONS

Kidney		Inflammation	Chronic, Minimal
Liver		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN	TGLs = 4-2,5-2		
Lung		Alveolar/Bronchiolar Adenoma	Multiple
Note: ALV BRON ADEN	TGLs = 2-3		
Note: ALV BRON ADEN	TGLs = 1-3		
Lymph Node	Mesenteric	Congestion	Moderate
Note: CONGESTION	TGLs = 3-4		
Mammary Gland		Hyperplasia	Mild
Pancreas		Inflammation	Chronic, Mild
Salivary Glands		Inflammation	Chronic, Minimal
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
Urinary Bladder	Submucosa	Inflammation	Chronic, Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 51

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Islets, Pancreatic	Liver	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Pituitary Gland
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea		

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Intestine Small Note: HYPERPLASIA TGLs = 3-6	Jejunum, Peyers Patch	Hyperplasia	Lymphoid, Marked
Kidney		Inflammation	Chronic, Mild
Lung	Perivascular	Inflammation	Chronic, Mild
Mesentery Note: HEMORRHAGE TGLs = 2-6	Fat, Lymphatic	Hemorrhage	Focal, Marked
Ovary		Cyst	
	Periovarn Tiss	Inflammation	Chronic, Mild
Salivary Glands		Inflammation	Chronic, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Urinary Bladder	Submucosa	Inflammation	Chronic, Minimal
Uterus Note: HYPERPLASIA TGLs = 1-5	Endometrium	Hyperplasia	Cystic, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 51	TRT#: 5 DOSE: 50 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 737 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Lung	Ovary
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OBSERVATIONS

Salivary Glands		Inflammation	Chronic, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

Note: HYPERPLASIA TGLs = 1-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 52	TRT#: 4	SEX: Female	DAY ON TEST: 735
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Pituitary Gland	Salivary Glands
Skin	Spinal Cord	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	

MISSING

Parathyroid Gland

OBSERVATIONS

Kidney		Inflammation	Chronic, Mild
Ovary		Cyst	
Note: CYST	TGLs = 1-5		
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 52	TRT#: 5	SEX: Female	DAY ON TEST: 680
	DOSE: 50 MG/KG	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Lymph Node - Mandibular	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Kidney		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
Salivary Glands		Inflammation	Chronic, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 52

TRT#: 6

SEX: Female

DAY ON TEST: 652

DOSE: 100MG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland
Nose	Pancreas	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Uterus	

MISSING

Adrenal Gland - Medulla	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Hematopoietic Cell Proliferation	Marked
Bone Marrow		Hyperplasia	Marked
Intestine Small	Duodenum	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 6-10			
Kidney		Amyloid Deposition	Marked
		Inflammation	Chronic, Mild
Liver		Amyloid Deposition	Marked
		Hematopoietic Cell Proliferation	Marked
Note: AMYLOID DEP TGLs = 1-2			
Lung	Artery, Capillary, Vein	Leukocytosis	
Lymph Node	Iliac	Lymphoma Malignant Mixed	
	Lumbar	Lymphoma Malignant Mixed	
	Mandibular	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 8-4			
Note: LYMPH MAL MIXD TGLs = 7-4			
Note: LYMPH MAL MIXD TGLs = 4-11			
[Lymphoma Malignant Mixed TGLS = 5-11]			
Ovary		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 3-5			
Spleen		Amyloid Deposition	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 52	TRT#: 6	SEX: Female	DAY ON TEST: 652
	DOSE: 100MG/KG	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HEMA CELL PROL TGLs = 2-2		Hematopoietic Cell Proliferation	Marked
Urinary Bladder	Muscularis, Submucosa	Inflammation	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 53 **TRT#:** 4 **SEX:** Female **DAY ON TEST:** 664
DOSE: VEHICLE CONTROL **DISP:** Dead **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Nose
Ovary	Pancreas	Parathyroid Gland	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Uterus		

MISSING

Lymph Node - Mandibular	Salivary Glands
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AUTO PRECLUDES DIAG.

Gallbladder

OBSERVATIONS

Kidney		Inflammation	Chronic, Minimal
Liver	Kupffer Cell	Hyperplasia Mixed Cell Focus	Mild
Lymph Node	Mesenteric	Cyst	
Note: CYST TGLs = 7-4			
Mammary Gland		Hyperplasia	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 6-4			
Thyroid Gland	Follicular Cel	Adenoma Inflammation	Chronic, Mild
Note: ADENOMA TGLs = 4-4			
Urinary Bladder	Submucosa	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 53	TRT#: 5 DOSE: 50 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 737 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lung	Ovary	Pituitary Gland	Salivary Glands
OBSERVATIONS			
Liver		Inflammation	Chronic, Minimal
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 53

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea		

MISSING

Parathyroid Gland

OBSERVATIONS

Kidney		Inflammation	Chronic, Mild
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 2-2			
Lung		Atelectasis	Moderate
Note: ATELECTASIS TGLs = 3-3			
Ovary		Cyst	
Note: CYST TGLs = 1-5			
Pituitary Gland	Pars Distalis	Angiectasis	Marked
Note: ANGIECTASIS TGLs = 4-4			
Salivary Glands		Inflammation	Chronic, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Urinary Bladder	Submucosa	Inflammation	Chronic, Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 54

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 2-1,3-1]			
Liver		Hematopoietic Cell Proliferation	Marked
Lymph Node	Mediastinal	Inflammation	Suppurative, Marked
	Mesenteric	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 5-4			
Mesentery		Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 1-10,1-11			
Nose	Mucosa	Inflammation	Chronic, Mild
Ovary	Periovarn Tiss	Inflammation	Subacute, Moderate
Pancreas		Inflammation	Subacute, Marked
Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 4-2]			
Uterus	Endometrium	Hyperplasia	Cystic, Marked
	Endometrium	Inflammation	Suppurative, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 54 **TRT#:** 5 **SEX:** Female **DAY ON TEST:** 440
DOSE: 50 MG/KG **DISP:** Dead **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	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	Uterus		

MISSING

Thymus

AUTO PRECLUDES DIAG.

Intestine Small - Ileum Intestine Small - Jejunum

OBSERVATIONS

Brain	Cerebrum	Hemorrhage	Moderate
Note: HEMORRHAGE TGLs = 1-7			
Heart	Coron Artery	Hemorrhage	Moderate
	Submucosa	Inflammation	Chronic, Moderate
Urinary Bladder		Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 54

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 100MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Inflammation	Chronic, Minimal
Lacrimal Gland	Extraorbital	Inflammation	Chronic, Mild
Note: INFLAMMATION	TGLs = 1-10		
Liver		Basophilic Focus	
		Eosinophilic Focus	
Note: EOSIN FOCUS	TGLs = 3-11		
Note: EOSIN FOCUS	TGLs = 4-11		
Note: BASOPH FOCUS	TGLs = 3-11		
Note: BASOPH FOCUS	TGLs = 4-11		
Mammary Gland		Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Angiectasis	Marked
Note: ANGIECTASIS	TGLs = 2-4		
Salivary Glands		Inflammation	Chronic, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 55

TRT#: 4

SEX: Female

DAY ON TEST: 676

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Ovary
Pancreas	Parathyroid Gland	Stomach - Forestomach	Stomach - Glandular
Trachea			

MISSING

Adrenal Gland - Medulla	Thymus
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OBSERVATIONS

Liver		Hematopoietic Cell Proliferation Inflammation	Mild Chronic, Mild
Lung		Alveolar/Bronchiolar Adenoma	
Lymph Node	Axillary Mandibular Mesenteric	Hyperplasia Hyperplasia Hyperplasia	Lymphoid, Marked Lymphoid, Plasma Cell, Marked Lymphoid, Plasma Cell, Marked
Note: HYPERPLASIA TGLs = 6-4			
Mammary Gland		Hyperplasia	Marked
Note: HYPERPLASIA TGLs = 4-8			
Nose	Nasolacrim Dct	Foreign Body	Marked
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 3-4			
Salivary Glands		Inflammation	Chronic, Moderate
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC TGLs = 1-10			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 2-2			
Thyroid Gland	Follicular Cel	Hyperplasia Inflammation	Moderate Chronic, Mild
Note: HYPERPLASIA TGLs = 7-4			
Tissue NOS		Sarcoma	Poorly Diffr

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 55	TRT#: 4	SEX: Female	DAY ON TEST: 676
	DOSE: VEHICLE CONTROL	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Urinary Bladder	Submucosa	Inflammation	Chronic, Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA TGLs = 5-5			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 55	TRT#: 6	SEX: Female	DAY ON TEST: 737
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea			

OBSERVATIONS

Brain		Lymphoma Malignant Mixed	
Kidney		Lymphoma Malignant Mixed	
Liver		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 1-12			
Lung		Lymphoma Malignant Mixed	
Lymph Node	Mesenteric	Lymphoma Malignant Mixed	
Pituitary Gland	Pars Distalis	Angiectasis	Mild
Salivary Glands		Inflammation	Chronic, Minimal
Spleen		Lymphoma Malignant Mixed	
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
		Inflammation	Chronic, Mild
Urinary Bladder	Submucosa	Inflammation	Chronic, Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 56	TRT#: 5 DOSE: 50 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 737 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Lung
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OBSERVATIONS

Ovary	Periovarn Tiss	Inflammation	Chronic, Mild
Salivary Glands		Inflammation	Chronic, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 56	TRT#: 6	SEX: Female	DAY ON TEST: 735
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	

MISSING

Gallbladder	Pituitary Gland
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OBSERVATIONS

Kidney		Inflammation	Chronic, Mild
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 1-2			
Lung	Peribronchiolr	Inflammation	Chronic, Mild
Salivary Glands		Inflammation	Chronic, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 57

TRT#: 4

SEX: Female

DAY ON TEST: 737

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Nose	Pancreas
Parathyroid Gland	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Uterus

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Kidney		Inflammation	Chronic, Mild
	Cortex	Metaplasia	Osseous, Moderate
Liver		Basophilic Focus	
		Fatty Change	Moderate
		Inflammation	Granulomatous, Focal, Marked
Note: INFLAMMATION	TGLs = 3-10		
Note: BASOPH FOCUS	TGLs = 3-10		
Lung	Perivascular	Inflammation	Chronic, Moderate
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Marked
Mammary Gland		Hyperplasia	Mild
Ovary		Cyst	
Note: CYST	TGLs = 1-5		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 2-4		
Salivary Glands		Inflammation	Chronic, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 57	TRT#: 6	SEX: Female	DAY ON TEST: 737
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Inflammation	Chronic, Minimal
Salivary Glands		Inflammation	Chronic, Mild
Skin	Subcut Tiss, Thoracic	Hemangiosarcoma	
Note: HEMANGIOSARC	TGLs = 3-11,4-11		
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL	TGLs = 2-2		
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 58	TRT#: 4	SEX: Female	DAY ON TEST: 737
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Ear Note: SQUAM CEL CARC TGLs = 2-10	Canal, External Ear	Squamous Cell Carcinoma	
Kidney		Inflammation	Chronic, Minimal
Liver		Inflammation	Chronic, Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild
Uterus Note: HYPERPLASIA TGLs = 1-5	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 58	TRT#: 5	SEX: Female	DAY ON TEST: 660
	DOSE: 50 MG/KG	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Esophagus
Nose	Parathyroid Gland	Pituitary Gland	Skin
Spinal Cord	Trachea	Uterus	

MISSING

Adrenal Gland - Medulla

AUTO PRECLUDES DIAG.

Gallbladder	Intestine Large	Intestine Small	Islets, Pancreatic
Pancreas	Stomach		

OBSERVATIONS

Brain	Perivascular	Lymphoma Malignant
Heart		Lymphoma Malignant
Kidney		Lymphoma Malignant
Liver		Lymphoma Malignant
Lung		Alveolar/Bronchiolar Adenoma
		Lymphoma Malignant
Note: LYMPH MAL	TGLs = 8-3,9-3	
Lymph Node	Iliac	Lymphoma Malignant
	Lumbar	Lymphoma Malignant
	Mandibular	Lymphoma Malignant
	Mediastinal	Lymphoma Malignant
	Mesenteric	Lymphoma Malignant
Note: LYMPH MAL	TGLs = 1-4	
Note: LYMPH MAL	TGLs = 5-4	
Note: LYMPH MAL	TGLs = 10-4	
Note: LYMPH MAL	TGLs = 6-10	
Note: LYMPH MAL	TGLs = 7-11	
Mammary Gland		Lymphoma Malignant
Ovary		Cyst
		Lymphoma Malignant
Note: CYST	TGLs = 3-5	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 58	TRT#: 5 DOSE: 50 MG/KG	SEX: Female DISP: Dead	DAY ON TEST: 660 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Salivary Glands		Lymphoma Malignant	
Spleen		Lymphoma Malignant	
Note: LYMPH MAL	TGLs = 2-2		
Thymus		Lymphoma Malignant	
Note: LYMPH MAL	TGLs = 11-4		
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
		Lymphoma Malignant	
Urinary Bladder		Lymphoma Malignant	

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 58	TRT#: 6	SEX: Female	DAY ON TEST: 737
	DOSE: 100MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Inflammation	Chronic, Mild
Salivary Glands		Inflammation	Chronic, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
		Inflammation	Chronic, Mild
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 59

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Intestine Large - Rectum	Intestine Small - Ileum
Intestine Small - Jejunum	Nose	Parathyroid Gland	Skin
Spinal Cord	Stomach - Forestomach	Thyroid Gland	Trachea

MISSING

Intestine Large - Colon	Islets, Pancreatic	Thymus
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INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Adrenal Gland	Capsule	Lymphoma Malignant Lymphocytic
Bone Marrow		Lymphoma Malignant Lymphocytic
Heart		Lymphoma Malignant Lymphocytic
Intestine Large	Cecum	Lymphoma Malignant Lymphocytic
Intestine Small	Duodenum	Lymphoma Malignant Lymphocytic
Kidney		Lymphoma Malignant Lymphocytic
Liver		Lymphoma Malignant Lymphocytic
Note: LYMPH MAL LYMP	TGLs = 9-13	
Note: LYMPH MAL LYMP	TGLs = 8-13	
Lung		Lymphoma Malignant Lymphocytic
Lymph Node	Mandibular	Lymphoma Malignant Lymphocytic
	Mesenteric	Lymphoma Malignant Lymphocytic
	Renal	Lymphoma Malignant Lymphocytic
	Thoracic	Lymphoma Malignant Lymphocytic
Note: LYMPH MAL LYMP	TGLs = 6-4	
Note: LYMPH MAL LYMP	TGLs = 2-10	
Note: LYMPH MAL LYMP	TGLs = 1-4	
[Lymphoma Malignant Lymphocytic TGLS = 5-11]		
Mammary Gland		Lymphoma Malignant Lymphocytic
Mesentery		Lymphoma Malignant Lymphocytic
	Fat	Necrosis
		Focal, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 59	TRT#: 4	SEX: Female	DAY ON TEST: 735
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: NECROSIS	TGLs = 3-6		
Ovary		Periovarn Tiss	Lymphoma Malignant Lymphocytic
Pancreas			Lymphoma Malignant Lymphocytic
Salivary Glands			Lymphoma Malignant Lymphocytic
Spleen			Lymphoma Malignant Lymphocytic
Note: LYMPH MAL LYMP	TGLs = 4-2		
Stomach		Glandular	Lymphoma Malignant Lymphocytic
Urinary Bladder			Lymphoma Malignant Lymphocytic
Uterus		Endometrium	Hyperplasia
			Cystic, Moderate

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 59

TRT#: 5

SEX: Female

DAY ON TEST: 736

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung

MISSING

Ovary

OBSERVATIONS

Liver		Eosinophilic Focus	
Salivary Glands		Inflammation	Chronic, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Marked

Note: HYPERPLASIA TGLs = 1-5

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 60	TRT#: 4	SEX: Female	DAY ON TEST: 736
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Salivary Glands		Inflammation	Chronic, Minimal
Urinary Bladder	Submucosa	Inflammation	Chronic, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 60	TRT#: 5 DOSE: 50 MG/KG	SEX: Female DISP: Moribund	DAY ON TEST: 606 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Esophagus
Heart	Intestine Large - Rectum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Mammary Gland	Nose	Parathyroid Gland
Pituitary Gland	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea		

MISSING

Adrenal Gland	Gallbladder	Ovary	Thymus
Urinary Bladder			

OBSERVATIONS

Intestine Large	Cecum, Colon, Serosa	Inflammation	Chronic, Marked
Intestine Small	Duodenum, Ileum, Serosa	Inflammation	Chronic, Marked
Kidney		Inflammation	Chronic, Mild
Liver		Inflammation	Chronic, Minimal
Lymph Node	Iliac	Hematopoietic Cell Proliferation	Marked
	Mesenteric	Hematopoietic Cell Proliferation	Marked
	Axillary	Hyperplasia	Plasma Cell, Marked
		Hyperplasia	Plasma Cell, Moderate
Note: HEMA CELL PROL	TGLs = 5-12		
Note: HYPERPLASIA	TGLs = 6-12		
Mesentery		Inflammation	Suppurative, Marked
Note: INFLAMMATION	TGLs = 4-5		
Pancreas		Inflammation	Chronic, Moderate
Skin	Abdominal, Subcut Tiss	Abscess	Marked
	Subcut Tiss	Inflammation	Suppurative, Moderate
Note: ABSCESS	TGLs = 3-11		
Spleen		Hematopoietic Cell Proliferation	Marked
Uterus		Inflammation	Chronic, Marked
Note: INFLAMMATION	TGLs = 1-10,2-10		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 60

TRT#: 6

SEX: Female

DAY ON TEST: 686

DOSE: 100MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Lymphoma Malignant Undifferentiated Cell Type	
Heart	Pericardium	Lymphoma Malignant Undifferentiated Cell Type	
Kidney		Inflammation	Chronic, Minimal
Liver		Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF	TGLs = 2-2,3-2,4-2		
Lung		Lymphoma Malignant Undifferentiated Cell Type	
Lymph Node	Mandibular	Lymphoma Malignant Undifferentiated Cell Type	
	Mesenteric	Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF	TGLs = 8-4		
Note: LYMPH MAL UNDF	TGLs = 5-4		
Ovary	Periovarn Tiss	Lymphoma Malignant Undifferentiated Cell Type	
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Salivary Glands		Inflammation	Chronic, Minimal
Spleen		Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF	TGLs = 1-2		
Thymus		Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF	TGLs = 7-4		
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 61

TRT#: 4

SEX: Female

DAY ON TEST: 540

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Salivary Glands
Spinal Cord	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Parathyroid Gland	Thymus
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OBSERVATIONS

Heart	Av Valve	Inflammation	Subacute, Marked
Kidney		Inflammation	Chronic, Moderate
	Cortex	Necrosis	Focal, Marked
Note: NECROSIS	TGLs = 2-1		
Liver		Fatty Change	Minimal
Note: FATTY CHANGE	TGLs = 4-2		
Lung		Hemorrhage	Focal, Marked
Note: HEMORRHAGE	TGLs = 5-3		
Ovary		Necrosis	Moderate
Pituitary Gland	Pars Distalis	Angiectasis	Mild
Skin	Tail	Neurofibrosarcoma	
Note: NEUROFIBROSARC	TGLs = 1-9		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 61

TRT#: 5

SEX: Female

DAY ON TEST: 640

DOSE: 50 MG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Adrenal Gland - Medulla	Pituitary Gland	Salivary Glands
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OBSERVATIONS

Adrenal Gland	Capsule	Lymphoma Malignant Lymphocytic
Brain	Perivascular	Lymphoma Malignant Lymphocytic
Gallbladder		Lymphoma Malignant Lymphocytic
Heart		Lymphoma Malignant Lymphocytic
Kidney		Lymphoma Malignant Lymphocytic
Liver		Lymphoma Malignant Lymphocytic
Lung		Lymphoma Malignant Lymphocytic
Lymph Node	Axillary	Lymphoma Malignant Lymphocytic
	Bronchial	Lymphoma Malignant Lymphocytic
	Iliac	Lymphoma Malignant Lymphocytic
	Inguinal	Lymphoma Malignant Lymphocytic
	Lumbar	Lymphoma Malignant Lymphocytic
	Mandibular	Lymphoma Malignant Lymphocytic
	Mediastinal	Lymphoma Malignant Lymphocytic
	Mesenteric	Lymphoma Malignant Lymphocytic
	Popliteal	Lymphoma Malignant Lymphocytic
	Renal	Lymphoma Malignant Lymphocytic

Note: LYMPH MAL LYMP TGLs = 11-15
 Note: LYMPH MAL LYMP TGLs = 1-10
 Note: LYMPH MAL LYMP TGLs = 2-11
 Note: LYMPH MAL LYMP TGLs = 6-12
 Note: LYMPH MAL LYMP TGLs = 8-13

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 61	TRT#: 5	SEX: Female	DAY ON TEST: 640
	DOSE: 50 MG/KG	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LYMPH MAL LYMP TGLs = 9-14
Note: LYMPH MAL LYMP TGLs = 5-4
Note: LYMPH MAL LYMP TGLs = 13-15
Note: LYMPH MAL LYMP TGLs = 14-15

[Lymphoma Malignant Lymphocytic TGLS = 10-14]

Mammary Gland

Lymphoma Malignant Lymphocytic

Mesentery

Lymphoma Malignant Lymphocytic

Note: LYMPH MAL LYMP TGLs = 4-4

Ovary

Lymphoma Malignant Lymphocytic

Note: LYMPH MAL LYMP TGLs = 15-5

Pancreas

Lymphoma Malignant Lymphocytic

Spleen

Lymphoma Malignant Lymphocytic

Note: LYMPH MAL LYMP TGLs = 3-2

Stomach

Serosa

Lymphoma Malignant Lymphocytic

Thymus

Lymphoma Malignant Lymphocytic

Note: LYMPH MAL LYMP TGLs = 12-4

Thyroid Gland

Follicular Cel

Hyperplasia

Minimal

Urinary Bladder

Lymphoma Malignant Lymphocytic

Uterus

Lymphoma Malignant Lymphocytic

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 61	TRT#: 6	SEX: Female	DAY ON TEST: 389
	DOSE: 100MG/KG	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Eye	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Liver	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Skin	Spinal Cord
Spleen	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Thymus

OBSERVATIONS

Kidney	Inflammation	Chronic, Mild
Salivary Glands	Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 62	TRT#: 5 DOSE: 50 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 736 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Ovary	Stomach - Glandular
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OBSERVATIONS

Liver Note: HEPATOCLR ADEN TGLs = 1-2,2-2,3-2		Hepatocellular Adenoma	Multiple
Pituitary Gland Note: HYPERPLASIA TGLs = 4-4	Pars Distalis	Hyperplasia	Focal, Moderate
Salivary Glands		Inflammation	Chronic, Minimal
Stomach Note: PAPILLOMA SQUA TGLs = 5-6	Forestomach	Squamous Cell Papilloma	
Thyroid Gland	Follicular Cel Follicular Cel	Adenoma Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 62

TRT#: 6

SEX: Female

DAY ON TEST: 702

DOSE: 100MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Lung
Mammary Gland	Nose	Parathyroid Gland	Stomach - Forestomach
Stomach - Glandular	Trachea	Urinary Bladder	Uterus

MISSING

Islets, Pancreatic

OBSERVATIONS

Intestine Large	Cecum	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 18-6			
Intestine Small	Ileum	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 3-6,4-6	Jejunum	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 5-6			
Kidney		Lymphoma Malignant Lymphocytic	
Liver		Focal Cellular Change	
		Hepatocellular Adenoma	
		Lymphoma Malignant Lymphocytic	
		Necrosis	Moderate
Note: FOCAL CELL CH TGLs = 19-12			
Note: HEPATOCLR ADEN TGLs = 7-2			
[Hepatocellular Adenoma TGLs = 8-2]			
Lymph Node	Axillary	Lymphoma Malignant Lymphocytic	
	Inguinal	Lymphoma Malignant Lymphocytic	
	Lumbar	Lymphoma Malignant Lymphocytic	
	Mandibular	Lymphoma Malignant Lymphocytic	
	Mediastinal	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
	Pancreatic	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP TGLs = 14-10			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 62

TRT#: 6

SEX: Female

DAY ON TEST: 702

DOSE: 100MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LYMPH MAL LYMP TGLs = 10-10

Note: LYMPH MAL LYMP TGLs = 12-4

Note: LYMPH MAL LYMP TGLs = 6-4

Note: LYMPH MAL LYMP TGLs = 16-4

Note: LYMPH MAL LYMP TGLs = 9-10

[Lymphoma Malignant Lymphocytic TGLS = 11-6]

Ovary	Periovarn Tiss	Lymphoma Malignant Lymphocytic	
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Note: LYMPH MAL LYMP TGLs = 15-5

Pancreas		Lymphoma Malignant Lymphocytic	
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Pituitary Gland	Pars Distalis	Adenoma	
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Note: ADENOMA TGLs = 17-4

Salivary Glands		Lymphoma Malignant Lymphocytic	
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Skin		Ulcer	Moderate
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Note: ULCER TGLs = 13-8

Spleen		Lymphoma Malignant Lymphocytic	
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Note: LYMPH MAL LYMP TGLs = 1-2

Thymus		Lymphoma Malignant Lymphocytic	
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Thyroid Gland	Follicular Cel	Hyperplasia	Mild
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PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 63

TRT#: 4

SEX: Female

DAY ON TEST: 596

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Gallbladder		Lymphoma Malignant Mixed	
Kidney		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD	TGLs = 3-1		
Liver		Lymphoma Malignant Mixed	
		Necrosis	Moderate
Note: LYMPH MAL MIXD	TGLs = 4-2		
Note: LYMPH MAL MIXD	TGLs = 1-2		
Lung		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD	TGLs = 10-3		
Lymph Node	Iliac	Lymphoma Malignant Mixed	
	Iliac	Lymphoma Malignant Mixed	
	Lumbar	Lymphoma Malignant Mixed	
	Mandibular	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
	Pancreatic	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD	TGLs = 5-10		
Note: LYMPH MAL MIXD	TGLs = 7-11		
Note: LYMPH MAL MIXD	TGLs = 8-11		
Note: LYMPH MAL MIXD	TGLs = 6-4		
Note: LYMPH MAL MIXD	TGLs = 9-10		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 63

TRT#: 4

SEX: Female

DAY ON TEST: 596

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery	Lymphoma Malignant Mixed
Ovary	Lymphoma Malignant Mixed
Pancreas	Lymphoma Malignant Mixed
Spleen	Lymphoma Malignant Mixed
Note: LYMPH MAL MIXD TGLs = 2-2	
Uterus	Lymphoma Malignant Mixed

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 63	TRT#: 5 DOSE: 50 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 737 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Ovary
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OBSERVATIONS

Harderian Gland Note: ADENOMA TGLs = 2-8		Adenoma	
Liver Mesentery Note: NECROSIS TGLs = 1-10	Fat	Inflammation Necrosis	Chronic, Mild Focal, Marked
Salivary Glands Thyroid Gland	Follicular Cel	Inflammation Hyperplasia	Chronic, Mild Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 63

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 100MG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Liver	Lung	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

MISSING

Parathyroid Gland

OBSERVATIONS

Heart		Inflammation	Chronic, Moderate
Intestine Small	Duodenum	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP	TGLs = 5-6		
Kidney		Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Congestion	Marked
Note: CONGESTION	TGLs = 4-4		
Ovary		Cyst	
Note: CYST	TGLs = 1-5		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 3-4		
Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Marked
		Inflammation	Chronic, Mild
Note: HYPERPLASIA	TGLs = 2-4		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 64

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Brain	Cerebrum	Oligodendroglioma Malignant	
Kidney		Inflammation	Chronic, Minimal
	Fat	Lymphoma Malignant Mixed	
Liver		Lymphoma Malignant Mixed	
Lymph Node	Mesenteric	Lymphoma Malignant Mixed	
	Pancreatic	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 3-6			
Mesentery	Fat	Necrosis	Focal, Moderate
Note: NECROSIS TGLs = 1-10			
Ovary		Cyst	
Salivary Glands		Lymphoma Malignant Mixed	
Spleen		Lymphoma Malignant Mixed	
Thymus		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 2-10			
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 64	TRT#: 5 DOSE: 50 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 735 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Ovary
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OBSERVATIONS

Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 1-2]			
Salivary Glands		Inflammation	Chronic, Mild
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 65

TRT#: 4

SEX: Female

DAY ON TEST: 737

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	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	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Thymus	Trachea

MISSING

Adrenal Gland - Medulla

OBSERVATIONS

Bone	Joint, Tarsal	Hyperostosis	
Kidney		Inflammation	Chronic, Mild
Lung		Lymphoma Malignant Lymphocytic	
Lymph Node	Lumbar	Lymphoma Malignant Lymphocytic	
	Mandibular	Lymphoma Malignant Lymphocytic	
	Mediastinal	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP	TGLs = 4-10		
Note: LYMPH MAL LYMP	TGLs = 5-10		
Ovary		Lymphoma Malignant Lymphocytic	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 6-4		
Salivary Glands		Lymphoma Malignant Lymphocytic	
Skin	Subcut Tiss	Lymphoma Malignant Lymphocytic	
Spleen		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP	TGLs = 2-2		
Stomach	Forestomach, Glandular	Lymphoma Malignant Lymphocytic	
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
		Lymphoma Malignant Lymphocytic	
Urinary Bladder		Lymphoma Malignant Lymphocytic	
Uterus	Endometrium	Hyperplasia	Cystic, Marked
Note: HYPERPLASIA	TGLs = 3-5		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 65

TRT#: 4

SEX: Female

DAY ON TEST: 737

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 65	TRT#: 5 DOSE: 50 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 735 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
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OBSERVATIONS

Liver Note: EOSIN FOCUS TGLs = 4-11		Eosinophilic Focus	
Ovary		Cyst	
Spleen Note: LYMPH MAL MIXD TGLs = 1-2		Lymphoma Malignant Mixed	
Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 65

TRT#: 6

SEX: Female

DAY ON TEST: 641

DOSE: 100MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Mesentery	Nose	Parathyroid Gland
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Trachea
Urinary Bladder			

OBSERVATIONS

Eye	Conjunctiva, Retrobulbar	Inflammation	Moderate
Note: INFLAMMATION	TGLs = 7-10		
Harderian Gland		Carcinoma	
Note: CARCINOMA	TGLs = 8-10		
Kidney	Capsule	Lymphoma Malignant Lymphocytic	
Lymph Node	Mediastinal	Hyperplasia	Plasma Cell, Marked
	Mandibular	Lymphoma Malignant Lymphocytic	
	Mediastinal	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP	TGLs = 1-4		
Note: LYMPH MAL LYMP	TGLs = 4-4		
	[Lymphoma Malignant Lymphocytic TGLS = 9-4]		
	[Lymphoma Malignant Lymphocytic TGLS = 9-4]		
Mammary Gland		Inflammation	Chronic, Mild
Ovary		Cystadenoma	
	Periovarn Tiss	Lymphoma Malignant Lymphocytic	
Note: CYSTADENOMA	TGLs = 5-5		
Pancreas		Lymphoma Malignant Lymphocytic	
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Skin		Ulcer	Marked
Note: ULCER	TGLs = 6-8		
Spleen		Lymphoma Malignant Lymphocytic	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05040-02
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Hydroquinone
CAS Number: 123-31-9

Date Report Requested: 10/19/2014
Time Report Requested: 22:01:49
First Dose M/F: NA / NA
Lab: AM BIO

ANIMAL ID: 65	TRT#: 6	SEX: Female	DAY ON TEST: 641
	DOSE: 100MG/KG	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LYMPH MAL LYMP TGLs = 2-2

Thymus		Lymphoma Malignant Lymphocytic	
Thyroid Gland	Follicular Cel	Hyperplasia	Mild
Uterus	Myometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

**** END OF REPORT ****