

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:57
First Dose M/F: NA / NA
Lab: TSI MASON

C Number: C56019
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: 10/19/1990

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:57
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 1	TRT#: 1 DOSE: UNTREATED 61UM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 734 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
* 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 Active, Minimal
* Liver	Clear Cell Focus	
Note: CLEAR CL FOCUS TGLs = 4-2		
* Lung	Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 3-1]		
* Salivary Glands	Inflammation	Chronic Active, Minimal
* Urinary Bladder	Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:57

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 2	TRT#: 1 DOSE: UNTREATED 61UM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 734 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* 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	* Liver	* Lung
* Lymph Node - Mandibular	* Lymph Node - Mesenteric	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Seminal Vesicle	* Skin
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Testes
* Thyroid Gland	* Trachea		

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Bone Note: HYPEROSTOSIS TGLs = 3-9	Joint, Tarsal	Hyperostosis	Marked
* Brain	Thalamus	Mineralization	Mild
* Kidney		Inflammation	Chronic Active, Minimal
* Lung Note: REPRESENT HANDLING ARTEFACTS. Note: THE MINIMAL HEMORRHAGES NOTED IN THE LUNGS PROBABLY			
* Nose		Inflammation	Acute, Minimal
* Salivary Glands		Inflammation	Chronic Active, Mild
* Urinary Bladder		Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:57

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 3	TRT#: 1 DOSE: UNTREATED 61UM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 734 HISTO:
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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	* Liver	* Lung	* Lymph Node - Mandibular
* Lymph Node - Mesenteric	* Nose	* Pancreas	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Brain	Thalamus	Mineralization	Minimal
* Epididymis		Inflammation	Chronic Active, Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Prostate		Inflammation	Chronic Active, Minimal
* Thymus		Cyst	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:57

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 4	TRT#: 1 DOSE: UNTREATED 61UM	SEX: Male DISP: Dead	DAY ON TEST: 93 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Liver
* Lung	* Nose	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Testes	* Thyroid Gland
* Trachea			

MISSING

* Intestine Large - Cecum	* Intestine Large - Rectum	* Intestine Small - Duodenum	* Intestine Small - Ileum
* Intestine Small - Jejunum	* Lymph Node - Mandibular	* Mammary Gland	Penis

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Large - Colon	* Islets, Pancreatic	* Lymph Node - Mesenteric
* Pancreas	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Urinary Bladder		

INSUFFICIENT TISSUE

* Pituitary Gland

OBSERVATIONS

* Heart		Abscess	Minimal
* Kidney	Renal Tubule	Mineralization	Minimal
* Lung			
Note: CAUSE OF DEATH.			
Note: SUGGEST A SEPTICEMIA OR A BACTEREMIA AS THE IMMEDIATE			
Note: THE LARGE NUMBER OF NEUTROPHILS IN THE CIRCULATION			
* Prostate		Inflammation	Chronic Active, Moderate

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:57

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 5	TRT#: 1 DOSE: UNTREATED 61UM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 734 HISTO:
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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
* Nose	* Pancreas	* Parathyroid Gland	* Seminal Vesicle
* Skin	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea

MISSING

* Mammary Gland	* Pituitary Gland
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OBSERVATIONS

* Bone Note: HYPEROSTOSIS TGLs = 2-9	Joint, Tarsal	Hyperostosis	Marked
* Brain	Thalamus	Mineralization	Minimal
* Epididymis		Inflammation	Chronic Active, Minimal
* Kidney		Inflammation	Chronic Active, Minimal
* Liver Note: HEPATOCLR CARC TGLs = 3-3.1		Hepatocellular Carcinoma	
* Prostate		Inflammation	Chronic Active, Minimal
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Urinary Bladder		Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:57
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 6	TRT#: 1 DOSE: UNTREATED 61UM	SEX: Male DISP: Dead	DAY ON TEST: 398 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 - Cecum
* Intestine Large - Colon	* Intestine Large - Rectum	* Liver	* Lung
* Lymph Node - Mandibular	* Lymph Node - Mesenteric	* Nose	* Parathyroid Gland
Penis	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach - Forestomach	* Stomach - Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Gallbladder	* Islets, Pancreatic	* Mammary Gland	* Pancreas
* Thymus			

AUTO PRECLUDES DIAG.

* Intestine Small - Duodenum	* Intestine Small - Ileum	* Intestine Small - Jejunum
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OBSERVATIONS

* Heart		Inflammation	Chronic, Minimal
* Kidney	Renal Tubule	Mineralization	Minimal
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Depletion Lymphoid	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:57

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 7

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: UNTREATED 61UM

DISP: Terminal Sacrifice

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	* Liver
* Lung	* Lymph Node - Mandibular	* Nose	* Seminal Vesicle
* Skin	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea

MISSING

* Mammary Gland

INSUFFICIENT TISSUE

* Lymph Node - Mesenteric * Parathyroid Gland

OBSERVATIONS

* Brain	Thalamus	Mineralization	Minimal
* Intestine Small Note: HYPERPLASIA TGLs = 3-6	Ileum	Hyperplasia	Lymphoid, Mild
* Pancreas		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Preputial Gland Note: ABSCESS TGLs = 2-6		Abscess	Marked
* Prostate		Inflammation	Chronic Active, Minimal
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Urinary Bladder		Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:57

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 8	TRT#: 1 DOSE: UNTREATED 61UM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 734 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Medulla	* Bone Marrow	* Epididymis	* Esophagus
* Gallbladder	* Intestine Large - Cecum	* Intestine Large - Colon	* Intestine Large - Rectum
* Intestine Small - Duodenum	* Intestine Small - Ileum	* Intestine Small - Jejunum	* Islets, Pancreatic
* Lymph Node - Mandibular	* Lymph Node - Mesenteric	* Nose	* Skin
* Spleen	* Stomach - Forestomach	* Thyroid Gland	* Trachea

MISSING

* Mammary Gland	* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Adrenal Gland	Cortex	Hyperplasia	Minimal
* Bone	Joint, Tarsal	Hyperostosis	Marked
Note: HYPEROSTOSIS TGLs = 2-9			
* Brain	Thalamus	Mineralization	Minimal
* Heart		Inflammation	Chronic, Minimal
* Kidney		Inflammation	Chronic Active, Minimal
* Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 3-2.1			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pancreas		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Prostate		Inflammation	Chronic Active, Minimal
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Seminal Vesicle		Inflammation	Chronic Active, Minimal
* Stomach	Glandular	Inflammation	Chronic, Minimal
* Testes		Sertoli Cell Tumor Benign	
* Urinary Bladder		Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:57

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: UNTREATED 61UM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Gallbladder	* Mammary Gland	* Pituitary Gland	* Thymus
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OBSERVATIONS

* Adrenal Gland	Cortex	Hyperplasia	Mild
* Bone	Joint, Tarsal	Hyperostosis	Marked
[Hyperostosis TGLS = 2-9]			
* Brain	Thalamus	Mineralization	Minimal
* Epididymis		Inflammation	Chronic Active, Minimal
* Kidney		Inflammation	Chronic Active, Minimal
* Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 4-2.1			
* Prostate		Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:57

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: UNTREATED 61UM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Gallbladder
* Intestine Large - Rectum
* Islets, Pancreatic
* Nose
* Skin
* Urinary Bladder

* Adrenal Gland - Medulla
* Heart
* Intestine Small - Duodenum
* Liver
* Pancreas
* Spleen

* Bone Marrow
* Intestine Large - Cecum
* Intestine Small - Ileum
* Lung
* Prostate
* Stomach - Forestomach

* Epididymis
* Intestine Large - Colon
* Intestine Small - Jejunum
* Lymph Node - Mandibular
* Seminal Vesicle
* Testes

MISSING

* Esophagus
* Thymus

* Lymph Node - Mesenteric
* Thyroid Gland

* Mammary Gland
* Trachea

* Parathyroid Gland

OBSERVATIONS

* Bone
Note: HYPEROSTOSIS TGLs = 2-9
* Brain
* Kidney
* Pituitary Gland
Preputial Gland

Joint, Tarsal
Thalamus
Pars Distalis

Hyperostosis
Mineralization
Inflammation
Hyperplasia
Abscess
Inflammation

Marked
Minimal
Chronic Active, Minimal
Mild
Moderate
Chronic Active, Marked

Note: INFLAMMATION TGLs = 3-10
Note: ABSCESS TGLs = 3-10

* Salivary Glands
* Stomach

Glandular

Inflammation
Inflammation

Chronic Active, Minimal
Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:57

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 420

DOSE: UNTREATED 61UM

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Brain
* Intestine Large - Cecum
* Islets, Pancreatic
* Nose
* Prostate
* Testes
* Urinary Bladder

* Adrenal Gland - Medulla
* Epididymis
* Intestine Large - Colon
* Liver
* Pancreas
* Seminal Vesicle
* Thymus

* Bone
* Esophagus
* Intestine Small - Duodenum
* Lung
* Parathyroid Gland
* Stomach - Forestomach
* Thyroid Gland

* Bone Marrow
* Heart
* Intestine Small - Jejunum
* Lymph Node - Mesenteric
* Pituitary Gland
* Stomach - Glandular
* Trachea

MISSING

* Gallbladder
* Skin

* Intestine Large - Rectum

* Lymph Node - Mandibular

* Mammary Gland

AUTO PRECLUDES DIAG.

* Intestine Small - Ileum

OBSERVATIONS

* Kidney

Penis
* Salivary Glands
* Spleen

Renal Tubule

Inflammation
Mineralization
Inflammation
Inflammation
Depletion Lymphoid

Chronic Active, Minimal
Minimal
Chronic Active, Mild
Chronic Active, Minimal
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:57

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 409

DOSE: UNTREATED 61UM

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Epididymis
* Intestine Large - Rectum
* Liver
* Pancreas
* Stomach - Forestomach
* Trachea

* Adrenal Gland - Medulla
* Esophagus
* Intestine Small - Duodenum
* Lung
Preputial Gland
* Stomach - Glandular

* Bone
* Heart
* Intestine Small - Jejunum
* Lymph Node - Mandibular
* Seminal Vesicle
* Testes

* Bone Marrow
* Intestine Large - Colon
* Islets, Pancreatic
* Nose
* Skin
* Thyroid Gland

MISSING

* Intestine Large - Cecum
* Parathyroid Gland

* Intestine Small - Ileum
* Pituitary Gland

* Mammary Gland

Mesentery

AUTO PRECLUDES DIAG.

* Gallbladder

* Lymph Node - Mesenteric

* Thymus

* Urinary Bladder

OBSERVATIONS

* Brain
* Kidney
Note: BACTERIA RELATED TO POSTMORTEM AUTOLYSIS WERE OBSERVED
Note: WITHIN CAPILLARIES OF THE KIDNEY.
* Prostate
* Salivary Glands
* Spleen

Thalamus
Renal Tubule

Mineralization
Mineralization

Minimal
Minimal

Inflammation
Inflammation
Depletion Lymphoid

Chronic Active, Mild
Chronic Active, Minimal
Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:57

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 322

DOSE: UNTREATED 61UM

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Epididymis
* Intestine Large - Cecum
* Intestine Small - Ileum
* Lung
* Penis
* Stomach - Glandular

* Adrenal Gland - Medulla
* Esophagus
* Intestine Large - Colon
* Intestine Small - Jejunum
* Lymph Node - Mandibular
* Salivary Glands
* Testes

* Bone
* Gallbladder
* Intestine Large - Rectum
* Islets, Pancreatic
* Nose
* Skin
* Trachea

* Bone Marrow
* Heart
* Intestine Small - Duodenum
* Liver
* Pancreas
* Stomach - Forestomach

MISSING

* Lymph Node - Mesenteric
* Thymus

* Mammary Gland
* Thyroid Gland

* Parathyroid Gland

* Pituitary Gland

OBSERVATIONS

* Brain
* Kidney
* Prostate
* Seminal Vesicle
 Note: INFLAMMATION TGLs = 1-4
* Spleen
* Urinary Bladder
 Note: INFLAMMATION TGLs = 2-1

Thalamus
Renal Tubule

Mineralization
Mineralization
Inflammation
Inflammation

Depletion Lymphoid
Inflammation

Minimal
Mild
Chronic Active, Marked
Chronic Active, Mild
Minimal
Chronic Active, Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:57

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 519

DOSE: UNTREATED 61UM

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Epididymis
* Intestine Large - Cecum
* Islets, Pancreatic
* Pancreas
* Skin
* Thyroid Gland

* Adrenal Gland - Medulla
* Esophagus
* Intestine Large - Colon
* Lung
* Prostate
* Stomach - Forestomach
* Trachea

* Bone
* Gallbladder
* Intestine Large - Rectum
* Lymph Node - Mandibular
* Salivary Glands
* Stomach - Glandular
* Urinary Bladder

* Bone Marrow
* Heart
* Intestine Small - Ileum
* Lymph Node - Mesenteric
* Seminal Vesicle
* Testes

MISSING

* Mammary Gland

* Parathyroid Gland

* Pituitary Gland

* Thymus

AUTO PRECLUDES DIAG.

* Intestine Small - Duodenum

* Intestine Small - Jejunum

OBSERVATIONS

* Brain
* Kidney
* Liver

Thalamus

Mineralization
Inflammation
Hemangiosarcoma
Necrosis

Minimal
Chronic Active, Minimal
Mild

Note: LARGE AREAS OF HEMORRHAGE AND NECROSIS WERE NOTED IN THE
Note: HEMANGIOSARCOMA. IN ADDITION, RANDOM AREAS OF NECROSIS
Note: WERE NOTED IN THE LIVER PARENCHYMA.

[Hemangiosarcoma TGLS = 4-2]

* Nose
* Spleen

Inflammation
Hemangiosarcoma

Acute, Mild

Note: HEMANGIOSARC TGLs = 1,2-3

Note: EXTENSIVE HEMORRHAGE WAS NOTED IN THE SPLENIC TUMOR.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:57

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: UNTREATED 61UM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Gallbladder
* Intestine Small - Duodenum
* Lung
* Nose
* Spleen
* Thymus

* Adrenal Gland - Medulla
* Heart
* Intestine Small - Ileum
* Lymph Node - Mandibular
* Parathyroid Gland
* Stomach - Forestomach
* Thyroid Gland

* Bone Marrow
* Intestine Large - Cecum
* Intestine Small - Jejunum
* Lymph Node - Mesenteric
* Seminal Vesicle
* Stomach - Glandular
* Trachea

* Esophagus
* Intestine Large - Colon
* Islets, Pancreatic
* Mammary Gland
* Skin
* Testes
* Urinary Bladder

MISSING

* Intestine Large - Rectum

* Pituitary Gland

OBSERVATIONS

* Bone
Note: HYPEROSTOSIS TGLs = 4-9

Joint, Tarsal

Hyperostosis

Marked

* Brain
* Epididymis
* Kidney
* Liver
Note: THE NECROSIS OBSERVED IN THE LIVER WAS SINGLE CELL
Note: NECROSIS.

Thalamus

Mineralization
Inflammation
Inflammation
Necrosis

Minimal
Chronic Active, Minimal
Chronic Active, Minimal
Minimal

* Pancreas
* Prostate
* Salivary Glands

Inflammation
Inflammation
Inflammation

Chronic, Minimal
Chronic Active, Minimal
Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:57

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: UNTREATED 61UM

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	* Lymph Node - Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Prostate	* Skin
* Spleen	* Stomach - Forestomach	* Testes	* Thymus
* Thyroid Gland	* Trachea		

MISSING

* Mammary Gland

OBSERVATIONS

* Bone	Joint, Tarsal	Hyperostosis	Marked
Note: HYPEROSTOSIS TGLs = 2-9			
* Kidney		Inflammation	Chronic Active, Minimal
* Lymph Node			
Note: AN INGUINAL LYMPH NODE REACTING TO THE PREPUTIAL GLAND			
Note: ABSCESS.			
Note: THE STRUCTURE DESCRIBED AS A SCROTAL MASS WAS MOST LIKELY			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Preputial Gland		Abscess	Marked
Note: ABSCESS TGLs = 4-11			
* Salivary Glands		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Inflammation	Chronic Active, Minimal
* Stomach	Glandular	Inflammation	Chronic, Minimal
* Urinary Bladder		Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:57

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 23

TRT#: 1

SEX: Male

DAY ON TEST: 508

DOSE: UNTREATED 61UM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Bone Marrow	* 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
* Pituitary Gland	* Seminal Vesicle	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Testes	* Trachea	

MISSING

* Gallbladder	* Mammary Gland
---------------	-----------------

OBSERVATIONS

* Bone Note: HYPEROSTOSIS TGLs = 2-9	Joint, Tarsal	Hyperostosis	Marked
* Brain	Thalamus	Mineralization	Minimal
* Kidney		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Minimal
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Skin Note: FIBROSARC TGLs = 3-10	Subcut Tiss	Fibrosarcoma	
* Thymus		Cyst	Mild
* Thyroid Gland	Follicular Cel	Adenoma	
* Urinary Bladder		Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:57

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 371

DOSE: UNTREATED 61UM

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Epididymis
* Islets, Pancreatic
* Pancreas
* Seminal Vesicle
* Trachea

* Adrenal Gland - Medulla
* Esophagus
* Liver
* Parathyroid Gland
* Testes

* Bone
* Heart
* Lung
* Pituitary Gland
* Thymus

* Bone Marrow
* Intestine Large - Colon
* Nose
* Salivary Glands
* Thyroid Gland

MISSING

* Lymph Node - Mandibular

* Lymph Node - Mesenteric

* Mammary Gland

* Stomach - Forestomach

AUTO PRECLUDES DIAG.

* Gallbladder
* Intestine Small - Ileum
* Urinary Bladder

* Intestine Large - Cecum
* Intestine Small - Jejunum

* Intestine Large - Rectum
Mesentery

* Intestine Small - Duodenum
* Stomach - Glandular

OBSERVATIONS

* Brain
* Kidney

Thalamus

Mineralization
Inflammation

Minimal
Chronic Active, Minimal

* Prostate
* Skin
* Spleen

Renal Tubule

Mineralization
Inflammation
Inflammation
Depletion Lymphoid

Minimal
Chronic Active, Minimal
Chronic Active, Minimal
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:57

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: UNTREATED 61UM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Esophagus
* Intestine Small - Duodenum
* Kidney
* Nose
* Seminal Vesicle
* Testes

* Adrenal Gland - Medulla
* Heart
* Intestine Small - Ileum
* Lung
* Pancreas
* Skin
* Thyroid Gland

* Bone
* Intestine Large - Cecum
* Intestine Small - Jejunum
* Lymph Node - Mandibular
* Parathyroid Gland
* Spleen
* Trachea

* Bone Marrow
* Intestine Large - Colon
* Islets, Pancreatic
* Lymph Node - Mesenteric
* Pituitary Gland
* Stomach - Glandular

MISSING

* Gallbladder
* Intestine Large - Rectum

* Mammary Gland

INSUFFICIENT TISSUE

* Thymus

OBSERVATIONS

* Brain
* Epididymis
* Liver
 Note: HEPATOCLR CARC TGLs = 3-2+2.1
* Prostate
* Salivary Glands
* Stomach
 Note: PAPILLOMA SQUA TGLs = 4-3
* Urinary Bladder

Thalamus

Forestomach

Mineralization
Inflammation
Hepatocellular Carcinoma

Inflammation
Inflammation
Squamous Cell Papilloma

Inflammation

Minimal
Chronic Active, Minimal

Chronic Active, Minimal
Chronic Active, Minimal

Chronic Active, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:57

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 449

DOSE: UNTREATED 61UM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex

* Adrenal Gland - Medulla

* Bone

* Bone Marrow

* Epididymis

* Esophagus

* Intestine Large - Cecum

* Intestine Large - Rectum

* Intestine Small - Duodenum

* Nose

* Parathyroid Gland

* Pituitary Gland

* Stomach - Forestomach

* Testes

* Thyroid Gland

* Trachea

MISSING

* Islets, Pancreatic

* Mammary Gland

* Prostate

OBSERVATIONS

* Brain

Thalamus

Mineralization

Minimal

* Gallbladder

Lymphoma Malignant Undifferentiated Cell Type

* Heart

Lymphoma Malignant Undifferentiated Cell Type

Minimal

* Intestine Large

Colon

Lymphoma Malignant Undifferentiated Cell Type

* Intestine Small

Ileum

Lymphoma Malignant Undifferentiated Cell Type

* Kidney

Jejunum

Lymphoma Malignant Undifferentiated Cell Type

Hydronephrosis

Mild

Lymphoma Malignant Undifferentiated Cell Type

Necrosis

Mild

Note: LYMPH MAL UNDF TGLs = 11,12,14,15-3.1

* Liver

Lymphoma Malignant Undifferentiated Cell Type

Necrosis

Minimal

Note: LYMPH MAL UNDF TGLs = 17,18-2

* Lung

Lymphoma Malignant Undifferentiated Cell Type

[Lymphoma Malignant Undifferentiated Cell Type TGLs = 3-1]

* Lymph Node

Lumbar

Lymphoma Malignant Undifferentiated Cell Type

Mandibular

Lymphoma Malignant Undifferentiated Cell Type

Mediastinal

Lymphoma Malignant Undifferentiated Cell Type

Mesenteric

Lymphoma Malignant Undifferentiated Cell Type

Pancreatic

Lymphoma Malignant Undifferentiated Cell Type

Note: LYMPH MAL UNDF TGLs = 5-5.1

Note: LYMPH MAL UNDF TGLs = 4-5

Note: LYMPH MAL UNDF TGLs = 9-7

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:57
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 449

DOSE: UNTREATED 61UM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LYMPH MAL UNDF TGLs = 6-5.1

Mesentery		Lymphoma Malignant Undifferentiated Cell Type	
* Pancreas		Lymphoma Malignant Undifferentiated Cell Type	
* Salivary Glands		Lymphoma Malignant Undifferentiated Cell Type	
* Seminal Vesicle		Inflammation	Chronic Active, Minimal
* Skin		Inflammation	Chronic Active, Minimal
* Spleen		Lymphoma Malignant Undifferentiated Cell Type	

Note: LYMPH MAL UNDF TGLs = 7,8-3

* Stomach	Glandular	Lymphoma Malignant Undifferentiated Cell Type	
* Thymus		Lymphoma Malignant Undifferentiated Cell Type	
* Urinary Bladder		Lymphoma Malignant Undifferentiated Cell Type	

Note: LYMPH MAL UNDF TGLs = 20-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:57
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: UNTREATED 61UM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Lymphoma Malignant Mixed	
* Epididymis		Lymphoma Malignant Mixed	
* Intestine Small	Ileum	Lymphoma Malignant Mixed	
* Kidney		Inflammation	Chronic Active, Minimal
* Liver		Lymphoma Malignant Mixed	
* Lung		Lymphoma Malignant Mixed	
* Lymph Node	Mesenteric	Lymphoma Malignant Mixed	
* Nose		Cyst	Minimal
* Prostate		Lymphoma Malignant Mixed	
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 2-3+3.1			
* Stomach	Glandular	Lymphoma Malignant Mixed	
* Urinary Bladder		Inflammation	Chronic Active, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:57

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: UNTREATED 61UM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Esophagus
* Intestine Large - Colon
* Intestine Small - Jejunum
* Lymph Node - Mesenteric
* Spleen
* Trachea

* Adrenal Gland - Medulla
* Gallbladder
* Intestine Large - Rectum
* Liver
* Nose
* Stomach - Glandular

* Bone Marrow
* Heart
* Intestine Small - Duodenum
* Lung
* Seminal Vesicle
* Testes

* Epididymis
* Intestine Large - Cecum
* Intestine Small - Ileum
* Lymph Node - Mandibular
* Skin
* Thyroid Gland

MISSING

* Mammary Gland

* Parathyroid Gland

* Pituitary Gland

* Thymus

OBSERVATIONS

* Bone
[Hyperostosis TGLS = 2-9]
* Brain
* Islets, Pancreatic
* Kidney
* Pancreas
* Prostate
* Salivary Glands
* Stomach
[Acanthosis TGLS = 3-3]
[Hyperkeratosis TGLS = 3-3]
Tooth
* Urinary Bladder

Joint, Tarsal
Thalamus
Forestomach
Forestomach

Hyperostosis
Mineralization
Hyperplasia
Inflammation
Vacuolization Cytoplasmic
Inflammation
Inflammation
Acanthosis
Hyperkeratosis
Dysplasia
Inflammation

Marked
Minimal
Minimal
Chronic Active, Minimal
Minimal
Chronic Active, Minimal
Chronic Active, Minimal
Mild
Mild
Moderate
Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:57

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 723

DOSE: UNTREATED 61UM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Parathyroid Gland
* Seminal Vesicle	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Testes	* Thyroid Gland	* Trachea	

MISSING

* Mammary Gland	* Prostate		
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OBSERVATIONS

* Adrenal Gland	Cortex Medulla	Hyperplasia Hyperplasia	Mild Minimal
* Brain	Thalamus	Mineralization	Minimal
* Epididymis		Inflammation	Chronic Active, Minimal
* Kidney		Inflammation	Chronic Active, Minimal
* Liver		Hepatocellular Carcinoma Necrosis	Multiple Mild
[Hepatocellular Carcinoma TGLS = 10,11,12,13-2+2.1]			
* Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 7-1			
* Pancreas		Inflammation Vacuolization Cytoplasmic	Chronic, Minimal Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Preputial Gland		Fibrosarcoma	
Note: FIBROSARC TGLs = 3-9			
* Salivary Glands		Inflammation	Chronic Active, Mild
* Skin		Cyst Epithelial Inclusion	Moderate
	Subcut Tiss	Fibrosarcoma	Multiple
Note: THERE WERE FOCAL AREAS OF ACUTE NECROTIZING INFLAMMATION			
Note: CYST EPITH INC TGLs = 2-9			
Note: OVER THE MASS.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:57
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 723

DOSE: UNTREATED 61UM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst Epithelial Inclusion TGLS = 2,4-9+10]

* Thymus

Cyst

Minimal

* Urinary Bladder

Inflammation

Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:57
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 721

DOSE: UNTREATED 61UM

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 - Duodenum	* Intestine Small - Ileum
* Intestine Small - Jejunum	* Islets, Pancreatic	* Lymph Node - Mandibular	* Lymph Node - Mesenteric
* Nose	* Seminal Vesicle	* Skin	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland	* Parathyroid Gland	* Pituitary Gland
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OBSERVATIONS

* Epididymis		Inflammation	Chronic Active, Minimal
* Heart		Inflammation	Chronic, Minimal
* Kidney		Inflammation	Chronic Active, Mild
* Liver		Hemangiosarcoma	Multiple
Note: HEMANGIOSARC	TGLs = 2,4-2		
* Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN	TGLs = 3-1		
* Pancreas		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Chronic Active, Mild
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Thymus		Cyst	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:57

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 723

DOSE: UNTREATED 61UM

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	* Nose
* Parathyroid Gland	* Pituitary Gland	* Seminal Vesicle	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Testes	* Thyroid Gland
* Trachea			

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Epididymis		Inflammation	Chronic Active, Minimal
* Kidney		Inflammation	Chronic Active, Minimal
* Pancreas		Vacuolization Cytoplasmic	Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Skin	Subcut Tiss	Fibrosarcoma	
[Fibrosarcoma TGLS = 2-9]			
* Urinary Bladder		Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:57
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: UNTREATED 61UM

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	* Lung	* Lymph Node - Mandibular
* Lymph Node - Mesenteric	* Nose	* Parathyroid Gland	* Pituitary Gland
* Seminal Vesicle	* Skin	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea			

MISSING

* Mammary Gland

OBSERVATIONS

* Epididymis	Inflammation	Chronic Active, Minimal
* Islets, Pancreatic	Hyperplasia	Minimal
* Kidney	Inflammation	Chronic Active, Minimal
* Liver	Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 2-2]		
* Pancreas	Inflammation	Chronic, Minimal
	Vacuolization Cytoplasmic	Minimal
* Prostate	Inflammation	Chronic Active, Minimal
* Salivary Glands	Inflammation	Chronic Active, Minimal
Tooth	Dysplasia	Moderate
* Urinary Bladder	Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:57

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 692

DOSE: UNTREATED 61UM

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Epididymis
* Nose
* Trachea

* Adrenal Gland - Medulla
* Esophagus
* Pituitary Gland

* Bone
* Heart
* Testes

* Bone Marrow
* Lung
* Thyroid Gland

MISSING

* Gallbladder
* Pancreas

* Islets, Pancreatic
* Parathyroid Gland

* Lymph Node - Mandibular

* Mammary Gland

AUTO PRECLUDES DIAG.

* Intestine Large - Cecum
* Intestine Small - Ileum
* Lymph Node - Mesenteric
* Urinary Bladder

* Intestine Large - Colon
* Intestine Small - Jejunum
* Seminal Vesicle

* Intestine Large - Rectum
* Kidney
* Stomach - Forestomach

* Intestine Small - Duodenum
* Liver
* Stomach - Glandular

INSUFFICIENT TISSUE

* Thymus

OBSERVATIONS

* Brain
* Prostate
* Salivary Glands
* Skin
* Spleen
Tooth

Thalamus

Mineralization
Inflammation
Inflammation
Inflammation
Depletion Lymphoid
Dysplasia

Minimal
Chronic Active, Minimal
Chronic Active, Minimal
Chronic Active, Mild
Mild
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:57

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: UNTREATED 61UM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Gallbladder
* Intestine Small - Duodenum
* Liver
* Parathyroid Gland
* Stomach - Forestomach
* Trachea

* Adrenal Gland - Medulla
* Heart
* Intestine Small - Ileum
* Lymph Node - Mandibular
* Pituitary Gland
* Testes

* Bone Marrow
* Intestine Large - Cecum
* Intestine Small - Jejunum
* Lymph Node - Mesenteric
* Skin
* Thymus

* Esophagus
* Intestine Large - Colon
* Islets, Pancreatic
* Nose
* Spleen
* Thyroid Gland

MISSING

* Intestine Large - Rectum

* Mammary Gland

OBSERVATIONS

* Bone
Note: HYPEROSTOSIS TGLs = 4-9

Joint, Tarsal

Hyperostosis

Marked

* Brain
* Epididymis
* Kidney
* Lung
Note: ALV BRON ADEN TGLs = 3-1

Thalamus

Mineralization
Inflammation
Inflammation
Alveolar/Bronchiolar Adenoma

Minimal
Chronic Active, Mild
Chronic Active, Minimal

* Pancreas

Inflammation
Vacuolization Cytoplasmic

Chronic, Minimal
Minimal

Preputial Gland

Inflammation

Chronic Active, Minimal

* Prostate

Inflammation

Chronic Active, Minimal

* Salivary Glands

Inflammation

Chronic Active, Minimal

* Seminal Vesicle

Inflammation

Chronic Active, Minimal

* Stomach

Glandular

Inflammation

Chronic, Minimal

* Urinary Bladder

Inflammation

Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:57
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: UNTREATED 61UM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Medulla	* Bone	* Bone Marrow	* Esophagus
* Gallbladder	* Intestine Large - Cecum	* Intestine Large - Colon	* Intestine Large - Rectum
* Intestine Small - Duodenum	* Intestine Small - Ileum	* Intestine Small - Jejunum	* Islets, Pancreatic
* Liver	* Lymph Node - Mandibular	* Lymph Node - Mesenteric	* Nose
* Parathyroid Gland	* Skin	* Spleen	* Stomach - Forestomach
* Testes	* Thymus	* Thyroid Gland	* Trachea

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Gland	Cortex	Hyperplasia	Minimal
* Brain	Thalamus	Mineralization	Minimal
* Epididymis		Inflammation	Chronic Active, Minimal
* Heart		Inflammation	Chronic, Mild
* Kidney		Inflammation	Chronic Active, Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 3-1			
* Pancreas		Inflammation	Chronic, Minimal
		Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Preputial Gland	Duct	Dilatation	Mild
		Inflammation	Chronic Active, Mild
Note: LOCATED IN THE SUBCUTANEOUS TISSUE ADJACENT TO THE PRE-PUTIAL GLAND.			
Note: DILATATION TGLs = 2-9			
Note: UNDER SKIN A SUBCUTANEOUS CYST WAS DIAGNOSED. THIS WAS			
* Prostate		Inflammation	Chronic Active, Minimal
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Seminal Vesicle		Inflammation	Chronic Active, Minimal
* Stomach	Glandular	Inflammation	Chronic, Minimal
* Urinary Bladder		Inflammation	Chronic Active, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:57
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 42	TRT#: 1	SEX: Male	DAY ON TEST: 734
	DOSE: UNTREATED 61UM	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-
-------------------------------	---

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:57

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: UNTREATED 61UM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|------------------------------|---------------------------|-----------------------------|
| * Adrenal Gland - Medulla | * 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 | * Liver | * Lymph Node - Mandibular | * Lymph Node - Mesenteric |
| * Nose | * Parathyroid Gland | * Pituitary Gland | * Skin |
| * Spleen | * Stomach - Forestomach | * Stomach - Glandular | * Testes |
| * Thyroid Gland | * Trachea | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|--|---------------|--------------------------------|-------------------------|
| * Adrenal Gland | Cortex | Adenoma | |
| * Bone | Joint, Tarsal | Hyperostosis | Marked |
| Note: HYPEROSTOSIS TGLs = 2-9 | | | |
| * Brain | Thalamus | Mineralization | Minimal |
| * Kidney | | Inflammation | Chronic Active, Minimal |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| | | Alveolar/Bronchiolar Carcinoma | |
| Note: ON THIS NODULE BECAUSE OF INCREASED CELLULAR ATYPIA. | | | |
| Note: ALV BRON ADEN TGLs = 4-1 | | | |
| Note: A DIAGNOSIS OF CARCINOMA RATHER THAN ADENOMA WAS MADE ON | | | |
| [Alveolar/Bronchiolar Carcinoma TGLS = 3-1] | | | |
| * Pancreas | | Inflammation | Chronic, Minimal |
| | | Vacuolization Cytoplasmic | Minimal |
| * Prostate | | Inflammation | Chronic Active, Minimal |
| * Salivary Glands | | Inflammation | Chronic Active, Minimal |
| * Seminal Vesicle | | Inflammation | Chronic Active, Minimal |
| * Thymus | | Cyst | Minimal |
| * Urinary Bladder | | Inflammation | Chronic Active, Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:57

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: UNTREATED 61UM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Medulla	* Bone Marrow	* Esophagus	* Heart
* Intestine Large - Cecum	* Intestine Large - Colon	* Intestine Large - Rectum	* Intestine Small - Duodenum
* Intestine Small - Ileum	* Intestine Small - Jejunum	* Liver	* Lymph Node - Mandibular
* Lymph Node - Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Seminal Vesicle	* Skin	* Spleen	* Testes
* Thymus	* Thyroid Gland	* Trachea	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Gland	Cortex	Hyperplasia	Mild
* Bone	Joint, Tarsal	Hyperostosis	Marked
Note: HYPEROSTOSIS TGLs = 2-9			
* Brain	Thalamus	Mineralization	Minimal
* Epididymis		Inflammation	Chronic Active, Minimal
* Gallbladder		Inflammation	Chronic, Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Inflammation	Chronic Active, Mild
* Lung		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC TGLs = 4-1			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Prostate		Inflammation	Chronic Active, Minimal
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Stomach	Glandular	Inflammation	Chronic, Minimal
	Forestomach	Squamous Cell Papilloma	
Note: PAPILLOMA SQUA TGLs = 7-6			
* Urinary Bladder		Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:57

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 723

DOSE: UNTREATED 61UM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Gland - Cortex
- * Epididymis
- * Intestine Large - Colon
- * Intestine Small - Jejunum
- * Lymph Node - Mesenteric
- * Stomach - Forestomach
- * Urinary Bladder

- * Adrenal Gland - Medulla
- * Esophagus
- * Intestine Large - Rectum
- * Islets, Pancreatic
- * Nose
- * Testes

- * Bone
- * Gallbladder
- * Intestine Small - Duodenum
- * Lung
- * Pituitary Gland
- * Thyroid Gland

- * Bone Marrow
- * Intestine Large - Cecum
- * Intestine Small - Ileum
- * Lymph Node - Mandibular
- * Seminal Vesicle
- * Trachea

MISSING

* Mammary Gland

* Parathyroid Gland

* Thymus

OBSERVATIONS

- * Brain
- * Heart
- * Kidney
- * Liver
- * Pancreas
- * Prostate
- * Salivary Glands
- * Skin

Thalamus

Subcut Tiss

Mineralization

Inflammation

Inflammation

Necrosis

Inflammation

Inflammation

Inflammation

Inflammation

Fibrosarcoma

Inflammation

Minimal

Chronic, Minimal

Chronic Active, Mild

Minimal

Chronic, Minimal

Chronic Active, Minimal

Chronic Active, Minimal

Chronic Active, Minimal

Chronic Active, Mild

Note: INFLAMMATION TGLs = 1-3.1

Note: NOTED IN THE SKIN COVERING THE TUMOR.

Note: FIBROSARC TGLs = 2-9

Note: EXTENSIVE AREAS OF ACUTE NECROTIZING INFLAMMATION WERE

- * Spleen Hematopoietic Cell Proliferation Moderate
- * Stomach Glandular Mineralization Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:57

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: UNTREATED 61UM

DISP: Terminal Sacrifice

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 - Ileum	* Intestine Small - Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node - Mandibular	* Lymph Node - Mesenteric	* Nose	* Parathyroid Gland
* Pituitary Gland	* Seminal Vesicle	* Skin	* Spleen
* Testes	* Thyroid Gland	* Trachea	

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Brain	Thalamus	Mineralization	Minimal
* Kidney		Inflammation	Chronic Active, Minimal
* Liver		Hepatocellular Adenoma	
		Lipoma	
		Necrosis	Mild
Note: LIPOMA TGLs = 3-2.1			
Note: HEPATOCLR ADEN TGLs = 2-2+2.2			
* Pancreas		Inflammation	Chronic, Minimal
Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Stomach	Forestomach	Diverticulum	Mild
	Glandular	Inflammation	Chronic, Minimal
	Forestomach	Squamous Cell Papilloma	
Note: PAPILLOMA SQUA TGLs = 4-3.1			
* Urinary Bladder		Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:57
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: UNTREATED 61UM

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	* Liver
* Lung	* Lymph Node - Mandibular	* Lymph Node - Mesenteric	* Nose
* Pituitary Gland	* Seminal Vesicle	* Skin	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Testes	* Thyroid Gland
* Trachea			

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

Harderian Gland		Adenoma	
Note: ADENOMA	TGLs = 2-9		
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Inflammation	Chronic Active, Minimal
* Pancreas		Inflammation	Chronic, Minimal
		Vacuolization Cytoplasmic	Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Thymus		Cyst	Minimal
Tooth		Dysplasia	Marked
* Urinary Bladder		Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:57

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 51

DOSE: UNTREATED 61UM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Brain
* Heart
* Intestine Small - Duodenum
* Lung
* Pancreas
* Stomach - Forestomach
* Thyroid Gland

* Adrenal Gland - Medulla
* Epididymis
* Intestine Large - Cecum
* Intestine Small - Ileum
* Lymph Node - Mandibular
* Prostate
* Stomach - Glandular
* Trachea

* Bone
* Esophagus
* Intestine Large - Colon
* Intestine Small - Jejunum
* Lymph Node - Mesenteric
* Salivary Glands
* Testes
* Urinary Bladder

* Bone Marrow
* Gallbladder
* Intestine Large - Rectum
* Islets, Pancreatic
* Nose
* Seminal Vesicle
* Thymus

MISSING

* Mammary Gland

* Parathyroid Gland

* Pituitary Gland

OBSERVATIONS

* Kidney
* Liver
* Skin
 Note: INFLAMMATION TGLs = 2-11+3-2
* Spleen
 Note: HEMA CELL PROL TGLs = 1-4

Inflammation
Necrosis
Inflammation

Hematopoietic Cell Proliferation

Chronic Active, Minimal
Minimal
Chronic Active, Marked

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:57
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 51	TRT#: 1	SEX: Male	DAY ON TEST: 104
	DOSE: UNTREATED 61UM	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	* Kidney
* Liver	* Lung	* Lymph Node - Mesenteric	* Nose
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Testes	* Thyroid Gland	* Trachea

MISSING

* Intestine Large - Cecum	* Lymph Node - Mandibular	* Mammary Gland
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AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Small - Duodenum	* Intestine Small - Ileum	* Intestine Small - Jejunum
* Pancreas	* Thymus	* Urinary Bladder	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:57
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 52

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: UNTREATED 61UM

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	* Lung
* Lymph Node - Mandibular	* Lymph Node - Mesenteric	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Testes	* Thyroid Gland	* Trachea	

MISSING

* Mammary Gland	* Parathyroid Gland	* Prostate	* Thymus
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OBSERVATIONS

* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Inflammation	Chronic Active, Minimal
* Liver		Necrosis	Minimal
* Nose		Inflammation	Acute, Mild
* Pancreas		Inflammation	Chronic, Minimal
		Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Tooth		Dysplasia	Marked
* Urinary Bladder		Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:57

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 53

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: UNTREATED 61UM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Medulla	* Bone Marrow	* Esophagus	* Intestine Large - Cecum
* Intestine Large - Colon	* Intestine Small - Duodenum	* Intestine Small - Ileum	* Intestine Small - Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node - Mandibular
* Nose	* Pancreas	* Seminal Vesicle	* Stomach - Forestomach
* Stomach - Glandular	* Testes	* Thyroid Gland	* Trachea

MISSING

* Intestine Large - Rectum	* Lymph Node - Mesenteric	* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Gland	Cortex	Hyperplasia	Mild
* Bone	Joint, Tarsal	Hyperostosis	Marked
Note: HYPEROSTOSIS TGLs = 1-9			
* Brain	Thalamus	Mineralization	Minimal
* Epididymis		Inflammation	Chronic Active, Minimal
* Gallbladder		Inflammation	Chronic, Minimal
* Heart		Inflammation	Chronic, Minimal
* Kidney		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC TGLs = 2-10			
Note: THERE WAS MARKED ACUTE NECROTIZING INFLAMMATION OF THE			
Note: SKIN OVERLYING THE TUMOR.			
* Spleen		Hematopoietic Cell Proliferation	Marked
* Thymus		Cyst	Minimal
Tooth		Dysplasia	Minimal
* Urinary Bladder		Inflammation	Chronic Active, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:57
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 54 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 734
DOSE: UNTREATED 61UM **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Bone Marrow	* Esophagus
* Heart	* Intestine Large - Cecum	* Intestine Large - Colon	* Intestine Large - Rectum
* Intestine Small - Duodenum	* Intestine Small - Ileum	* Intestine Small - Jejunum	* Lung
* Lymph Node - Mandibular	* Lymph Node - Mesenteric	* Pituitary Gland	* Seminal Vesicle
* Skin	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Testes	* Thymus	* Trachea	

MISSING

* Mammary Gland	* Nose	* Parathyroid Gland	* Thyroid Gland
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OBSERVATIONS

* Bone Note: HYPEROSTOSIS TGLs = 2-9	Joint, Tarsal	Hyperostosis	Marked
* Brain	Thalamus	Mineralization	Minimal
* Epididymis		Inflammation	Chronic Active, Minimal
* Gallbladder		Inflammation	Chronic, Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Inflammation	Chronic Active, Mild
* Liver Note: HEPATOCLR ADEN TGLs = 5-2.1 Note: HEMANGIOMA TGLs = 4-2.1		Hemangioma Hepatocellular Adenoma	
* Lung Note: A HANDLING ARTEFACT AT NECROPSY.			
* Pancreas		Inflammation Vacuolization Cytoplasmic	Chronic, Minimal Minimal
* Prostate		Inflammation	Chronic Active, Minimal
* Salivary Glands		Inflammation	Chronic Active, Mild
* Urinary Bladder		Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:57

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 55

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: UNTREATED 61UM

DISP: Terminal Sacrifice

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 - Ileum	* Intestine Small - Jejunum	* Islets, Pancreatic	* Liver
* Lymph Node - Mandibular	* Lymph Node - Mesenteric	* Nose	* Pituitary Gland
* Skin	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland	* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Brain	Thalamus	Mineralization	Minimal
* Kidney		Inflammation	Chronic Active, Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 2-1]			
* Pancreas		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Chronic Active, Minimal
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Seminal Vesicle		Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:57
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 56	TRT#: 1 DOSE: UNTREATED 61UM	SEX: Male DISP: Moribund	DAY ON TEST: 224 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
* Liver	* Lung	* Lymph Node - Mandibular	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach - Forestomach	* Stomach - Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node - Mesenteric	* Mammary Gland	* Thymus
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OBSERVATIONS

* Kidney		Inflammation	Chronic Active, Minimal
* Nose		Inflammation	Acute, Minimal
Penis		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Preputial Gland		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 1-3]			
* Spleen		Depletion Lymphoid	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:57

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 58

TRT#: 1

SEX: Male

DAY ON TEST: 146

DOSE: UNTREATED 61UM

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Brain
* Intestine Large - Colon
* Intestine Small - Jejunum
* Lymph Node - Mandibular
* Pituitary Gland
* Stomach - Forestomach
* Thyroid Gland

* Adrenal Gland - Medulla
* Esophagus
* Intestine Large - Rectum
* Islets, Pancreatic
* Lymph Node - Mesenteric
* Salivary Glands
* Stomach - Glandular
* Trachea

* Bone
* Heart
* Intestine Small - Duodenum
* Liver
* Nose
* Seminal Vesicle
* Testes

* Bone Marrow
* Intestine Large - Cecum
* Intestine Small - Ileum
* Lung
* Pancreas
* Skin
* Thymus

MISSING

* Gallbladder

* Mammary Gland

* Parathyroid Gland

OBSERVATIONS

* Epididymis
* Kidney
Penis
Note: INFLAMMATION TGLs = 1-11
* Prostate
* Spleen
* Urinary Bladder
Note: INFLAMMATION TGLs = 4,5-2

Inflammation
Inflammation
Inflammation

Inflammation
Depletion Lymphoid
Inflammation

Chronic Active, Minimal
Chronic Active, Minimal
Chronic Active, Moderate

Chronic Active, Marked
Moderate
Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:57
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 59	TRT#: 1 DOSE: UNTREATED 61UM	SEX: Male DISP: Moribund	DAY ON TEST: 694 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Bone Marrow	* Gallbladder
* Intestine Large - Cecum	* Intestine Large - Colon	* Intestine Large - Rectum	* Intestine Small - Duodenum
* Intestine Small - Ileum	* Intestine Small - Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Pancreas	* Pituitary Gland	* Seminal Vesicle
* Skin	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Testes	* Thyroid Gland	* Trachea	

MISSING

* Esophagus	* Lymph Node - Mandibular	* Lymph Node - Mesenteric	* Mammary Gland
* Thymus			

INSUFFICIENT TISSUE

* Parathyroid Gland

OBSERVATIONS

* Bone Note: HYPEROSTOSIS TGLs = 2-9	Joint, Tarsal	Hyperostosis	Marked
* Brain	Thalamus	Mineralization	Minimal
* Epididymis		Inflammation	Chronic Active, Minimal
* Heart		Inflammation	Chronic, Minimal
* Liver Note: HEPATOCLR CARC TGLs = 3-2+2.1		Hepatocellular Carcinoma	
* Nose		Inflammation	Acute, Moderate
* Prostate		Inflammation	Chronic Active, Minimal
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Urinary Bladder		Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:57

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 62

TRT#: 1

SEX: Male

DAY ON TEST: 62

DOSE: UNTREATED 61UM

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Epididymis
* Intestine Large - Cecum
* Intestine Small - Ileum
* Lymph Node - Mesenteric
* Salivary Glands
* Testes
* Urinary Bladder

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

* Bone
* Gallbladder
* Intestine Large - Rectum
* Islets, Pancreatic
* Pancreas
* Stomach - Forestomach
* Thyroid Gland

* Brain
* Heart
* Intestine Small - Duodenum
* Lung
* Pituitary Gland
* Stomach - Glandular
* Trachea

MISSING

* Bone Marrow

* Lymph Node - Mandibular

* Mammary Gland

* Parathyroid Gland

OBSERVATIONS

* Kidney
* Liver
* Prostate
* Seminal Vesicle
* Spleen

Abscess
Necrosis
Inflammation
Inflammation
Depletion Lymphoid
Hematopoietic Cell Proliferation

Mild
Minimal
Chronic Active, Moderate
Chronic Active, Moderate
Mild
Moderate

Note: DEPLET LYMPH TGLs = 5-4

Urethra

Inflammation

Chronic Active, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:57

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 63

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: UNTREATED 61UM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

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

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

* Brain
* Heart
* Intestine Small - Duodenum
* Lung
* Pancreas
* Stomach - Glandular
* Trachea

MISSING

* Mammary Gland

* Parathyroid Gland

OBSERVATIONS

* Adrenal Gland
* Kidney
* Liver

Cortex

Adenoma
Inflammation
Hepatocellular Adenoma

Multiple
Chronic Active, Mild

Note: HEPATOCLR ADEN TGLs = 4-2

* Prostate
* Salivary Glands
* Seminal Vesicle
* Skin

Inflammation
Inflammation
Inflammation
Inflammation

Chronic Active, Minimal
Chronic Active, Minimal
Chronic Active, Mild
Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:57

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 64

TRT#: 1

SEX: Male

DAY ON TEST: 616

DOSE: UNTREATED 61UM

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Brain
* Heart
* Nose
* Prostate
* Stomach - Forestomach
* Trachea

* Adrenal Gland - Medulla
* Epididymis
* Islets, Pancreatic
* Pancreas
* Salivary Glands
* Stomach - Glandular

* Bone
* Esophagus
* Liver
* Parathyroid Gland
* Seminal Vesicle
* Testes

* Bone Marrow
* Gallbladder
* Lung
* Pituitary Gland
* Skin
* Thyroid Gland

MISSING

* Lymph Node - Mandibular

* Lymph Node - Mesenteric

* Mammary Gland

* Thymus

AUTO PRECLUDES DIAG.

* Intestine Large - Cecum
* Intestine Small - Ileum

* Intestine Large - Colon
* Intestine Small - Jejunum

* Intestine Large - Rectum

* Intestine Small - Duodenum

OBSERVATIONS

* Kidney

Abscess
Inflammation

Marked
Chronic Active, Marked

Note: THE PREDOMINANT INFLAMMATORY CELL IN THE KIDNEY IS THE

Note: ABSCESS TGLs = 6,7-3

Note: INFLAMMATION TGLs = 6,7-3

Note: PLASMA CELL.

* Spleen

Depletion Lymphoid
Hematopoietic Cell Proliferation

Moderate
Moderate

[Depletion Lymphoid TGLS = 4-3]

* Urinary Bladder

Inflammation

Chronic Active, Moderate

Note: INFLAMMATION TGLs = 8-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:57

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 65

TRT#: 1

SEX: Male

DAY ON TEST: 248

DOSE: UNTREATED 61UM

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Brain
* Heart
* Lung
* Prostate
* Testes

* Adrenal Gland - Medulla
* Epididymis
* Intestine Large - Cecum
* Lymph Node - Mandibular
* Salivary Glands
* Thyroid Gland

* Bone
* Esophagus
* Intestine Large - Colon
* Nose
* Seminal Vesicle

* Bone Marrow
* Gallbladder
* Liver
* Pituitary Gland
* Skin

MISSING

* Intestine Large - Rectum
* Pancreas

* Islets, Pancreatic
* Parathyroid Gland

* Lymph Node - Mesenteric
* Thymus

* Mammary Gland
* Trachea

AUTO PRECLUDES DIAG.

* Intestine Small - Duodenum
* Stomach - Glandular

* Intestine Small - Ileum
* Urinary Bladder

* Intestine Small - Jejunum

* Stomach - Forestomach

OBSERVATIONS

* Kidney
* Spleen

Renal Tubule

Mineralization
Depletion Lymphoid

Minimal
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:57

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 66

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: UNTREATED 61UM

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	* Parathyroid Gland
* Pituitary Gland	* Stomach - Forestomach	* Testes	* Thyroid Gland
* Trachea			

MISSING

* Mammary Gland

OBSERVATIONS

* Bone	Joint, Tarsal	Hyperostosis	Marked
Note: HYPEROSTOSIS TGLs = 2-9			
* Kidney		Cyst	Minimal
		Inflammation	Chronic Active, Minimal
* Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 6-2			
* Pancreas		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Seminal Vesicle		Inflammation	Chronic Active, Minimal
* Skin	Subcut Tiss	Fibrosarcoma	
		Inflammation	Chronic Active, Minimal
Note: SKIN SURFACE OF THE TUMOR.			
Note: EXTENSIVE ACUTE NECROTIZING INFLAMMATION WAS NOTED ON THE			
Note: FIBROSARC TGLs = 3-10			
* Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 4-3			
* Stomach	Glandular	Inflammation	Chronic, Minimal
	Glandular	Mineralization	Minimal
* Thymus		Cyst	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:57
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 66

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: UNTREATED 61UM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Tooth

Dysplasia

Minimal

* Urinary Bladder

Inflammation

Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:57

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 67

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: UNTREATED 61UM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Medulla
* Esophagus
* Intestine Large - Rectum
* Islets, Pancreatic
* Nose
* Spleen
* Thymus

* Bone Marrow
* Gallbladder
* Intestine Small - Duodenum
* Lung
* Parathyroid Gland
* Stomach - Forestomach
* Thyroid Gland

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

* Epididymis
* Intestine Large - Colon
* Intestine Small - Jejunum
* Lymph Node - Mesenteric
* Seminal Vesicle
* Testes
* Urinary Bladder

MISSING

* Mammary Gland

* Pituitary Gland

OBSERVATIONS

* Adrenal Gland
* Bone

Cortex
Joint, Tarsal

Hyperplasia
Hyperostosis

Mild
Marked

[Hyperostosis TGLS = 2-9]

* Heart
* Kidney
* Liver
* Pancreas
* Prostate
* Skin
Tooth

Inflammation
Inflammation
Hepatocellular Adenoma
Vacuolization Cytoplasmic
Inflammation
Inflammation
Dysplasia

Chronic, Minimal
Chronic Active, Minimal
Minimal
Chronic Active, Minimal
Chronic Active, Mild
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:57

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 70

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: UNTREATED 61UM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Esophagus
* Intestine Large - Colon
* Intestine Small - Jejunum
* Prostate
* Stomach - Forestomach
* Trachea

* Adrenal Gland - Medulla
* Gallbladder
* Intestine Large - Rectum
* Lung
* Seminal Vesicle
* Testes

* Bone
* Heart
* Intestine Small - Duodenum
* Lymph Node - Mandibular
* Skin
* Thymus

* Bone Marrow
* Intestine Large - Cecum
* Intestine Small - Ileum
* Lymph Node - Mesenteric
* Spleen
* Thyroid Gland

MISSING

* Mammary Gland

* Parathyroid Gland

* Pituitary Gland

OBSERVATIONS

* Brain Thalamus
* Epididymis
Note: STITUM WAS OBSERVED.
Note: A GRANULOMATOUS RESPONSE TO SPERMATOZOA IN THE INTER-
* Islets, Pancreatic
* Kidney
* Liver
Note: HEPATOCLR ADEN TGLs = 2-2
* Nose
* Pancreas
* Salivary Glands
* Stomach Glandular
Tooth
* Urinary Bladder

Mineralization
Granuloma Sperm

Hyperplasia
Inflammation
Hepatocellular Adenoma

Inflammation
Vacuolization Cytoplasmic
Inflammation
Inflammation
Dysplasia
Inflammation

Minimal
Mild

Mild
Chronic Active, Minimal

Acute, Minimal
Minimal
Chronic Active, Minimal
Chronic, Minimal
Marked
Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:57

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 71

TRT#: 2

SEX: Male

DAY ON TEST: 152

DOSE: 0.5% 61LM

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Rectum
Lymph Node - Mesenteric
Pituitary Gland
Stomach - Forestomach
Trachea

Adrenal Gland - Medulla
Esophagus
Islets, Pancreatic
Nose
Salivary Glands
Stomach - Glandular

Bone
Heart
Liver
Pancreas
Seminal Vesicle
Testes

Bone Marrow
Intestine Large - Colon
Lung
Parathyroid Gland
Skin
Thymus

MISSING

Intestine Large - Cecum

Intestine Small - Duodenum

Lymph Node - Mandibular

Mammary Gland

AUTO PRECLUDES DIAG.

Gallbladder

Intestine Small - Ileum

Intestine Small - Jejunum

OBSERVATIONS

Bone

Note: AN ADDITIONAL FEATURE AT THE TARSAL JOINT WAS ACUTE IN-

Epididymis

Inflammation

Chronic Active, Minimal

Kidney

Inflammation

Chronic Active, Minimal

Penis

Inflammation

Chronic Active, Marked

Prostate

Inflammation

Chronic Active, Mild

Spleen

Depletion Lymphoid

Mild

* Thyroid Gland

Follicle

Pigmentation

Minimal

Follicular Cel

Pigmentation

Minimal

Urinary Bladder

Hemorrhage

Marked

Note: HEMORRHAGE TGLs = 1-2

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:57
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 72	TRT#: 2 DOSE: 0.5% 61LM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO:
OBSERVATIONS			
Bone Note: HYPEROSTOSIS TGLs = 1-9	Joint, Tarsal	Hyperostosis	Marked
Epididymis		Inflammation	Chronic Active, Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Minimal
[Pigmentation TGLS = 4-5]			
<hr/> PRIMARY CAUSE OF DEATH - <hr/>			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:57
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 74	TRT#: 2	SEX: Male	DAY ON TEST: 734
	DOSE: 0.5% 61LM	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

OBSERVATIONS

Bone	Joint, Tarsal	Hyperostosis	Marked
Note: HYPEROSTOSIS TGLs = 3-9			
Epididymis		Inflammation	Chronic Active, Minimal
Kidney		Inflammation	Chronic Active, Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Minimal

[Pigmentation TGLS = 4-5]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:57
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 75	TRT#: 2	SEX: Male	DAY ON TEST: 94
	DOSE: 0.5% 61LM	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	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Lymph Node - Mandibular	Nose	Pancreas
Pituitary Gland	Preputial Gland	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Testes
* Thyroid Gland	Trachea		

MISSING

Gallbladder	Lymph Node - Mesenteric	Mammary Gland	Parathyroid Gland
Thymus			

OBSERVATIONS

Kidney	Renal Tubule	Mineralization	Mild
Prostate		Inflammation	Chronic Active, Marked
Spleen		Depletion Lymphoid	Mild
		Hematopoietic Cell Proliferation	Mild
Urinary Bladder		Inflammation	Chronic Active, Mild
Note: INFLAMMATION	TGLs = 4,5-2		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:57

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 76

TRT#: 2

DOSE: 0.5% 61LM

SEX: Male

DISP: Moribund

DAY ON TEST: 626

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 - Mesenteric
Nose	Pancreas	Parathyroid Gland	Prostate
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Trachea
Urinary Bladder			

MISSING

Lymph Node - Mandibular	Mammary Gland
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OBSERVATIONS

Gallbladder			
Note: RELATED THROMBUS. THE SMALL PIECE OF GALL BLADDER			
Note: PRESENT WAS SHOWN TO BE NORMAL. SEE LIVER.			
Note: GALL BLADDER MASS SHOWN TO BE INFARCTED LIVER WITH			
Heart		Sarcoma	Metastatic (Skeletal Muscle)
Note: SARCOMA TGLs = 8-2			
Kidney		Sarcoma	Metastatic (Skeletal Muscle)
Liver		Hepatocellular Adenoma	
		Infarct	Moderate
		Thrombosis	Marked
Note: INFARCT TGLs = 11-2			
Note: HEPATOCLR ADEN TGLs = 11-2			
Note: GALL BLADDER MASS SHOWN TO BE INFARCTED LIVER WITH			
Note: PRESENT WAS SHOWN TO BE NORMAL.			
Note: RELATED THROMBUS. THE SMALL PIECE OF GALL BLADDER			
Lung		Sarcoma	Metastatic (Skeletal Muscle)
[Sarcoma TGLS = 6,7-1+1.1]			
Lymph Node	Mediastinal, Pancreatic	Sarcoma	Metastatic (Skeletal Muscle)
Note: SARCOMA TGLs = 9-5+9,5-5			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:57
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 76	TRT#: 2	SEX: Male	DAY ON TEST: 626
	DOSE: 0.5% 61LM	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Preputial Gland		Inflammation	Chronic Active, Moderate
Note: INFLAMMATION TGLs = 14-10			
Salivary Glands		Inflammation	Chronic Active, Minimal
Skeletal Muscle		Sarcoma	
Note: SARCOMA TGLs = 3-9			
Note: SARCOMA TGLs = 13-9+10			
* Thyroid Gland	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Minimal
Note: PIGMENT TGLs = 4-5			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:57
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 78	TRT#: 2	SEX: Male	DAY ON TEST: 734
	DOSE: 0.5% 61LM	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

OBSERVATIONS

Epididymis	Inflammation	Chronic Active, Minimal
Liver	Hepatocellular Adenoma	
	Hepatocellular Carcinoma	
	Necrosis	Minimal

Note: HEPATOCLR ADEN TGLs = 6-2
[Hepatocellular Adenoma TGLS = 5-2.1]

* Thyroid Gland	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Minimal

Note: ONE LOBE OF THYROID WAS TAKEN AT NECROPSY BY DR. MARONPOT

Note: FOR EM.

[Pigmentation TGLS = 3-5]

Urinary Bladder	Inflammation	Chronic Active, Minimal
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:57
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 79	TRT#: 2	SEX: Male	DAY ON TEST: 73
	DOSE: 0.5% 61LM	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Gallbladder	Lymph Node - Mandibular	Mammary Gland	Parathyroid Gland
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AUTO PRECLUDES DIAG.

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

OBSERVATIONS

Prostate	Inflammation	Chronic Active, Mild
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:57
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 80	TRT#: 2	SEX: Male	DAY ON TEST: 734
	DOSE: 0.5% 61LM	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lymph Node - Mesenteric Skin

OBSERVATIONS

Bone	Joint, Tarsal	Hyperostosis	Marked
Note: HYPEROSTOSIS TGLs = 3-9			
Epididymis		Inflammation	Chronic Active, Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Minimal
[Pigmentation TGLS = 4-5]			
Urinary Bladder		Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:57

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 81

TRT#: 2

SEX: Male

DAY ON TEST: 100

DOSE: 0.5% 61LM

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

Kidney

Liver

Lung

Lymph Node - Mesenteric

Nose

Pancreas

Parathyroid Gland

Salivary Glands

Skin

Stomach - Forestomach

Stomach - Glandular

Testes

Thymus

* Thyroid Gland

Trachea

Urinary Bladder

MISSING

Lymph Node - Mandibular

Mammary Gland

Pituitary Gland

OBSERVATIONS

Prostate

Inflammation

Chronic Active, Mild

Seminal Vesicle

Inflammation

Chronic Active, Minimal

Note: INFLAMMATION TGLs = 1-5+5.1

Spleen

Depletion Lymphoid

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:57
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 82	TRT#: 2	SEX: Male	DAY ON TEST: 734
	DOSE: 0.5% 61LM	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis Lymph Node - Mesenteric

PRESENT BUT NOT EXAMINED

Tooth

OBSERVATIONS

Bone	Joint, Tarsal	Hyperostosis	Marked
Note: HYPEROSTOSIS TGLs = 2-9			
Lung		Alveolar/Bronchiolar Adenoma Crystals	Minimal
Note: ALV BRON ADEN TGLs = 6-1			
Preputial Gland		Inflammation	Chronic Active, Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Minimal

[Pigmentation TGLS = 7-5]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:57
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 83	TRT#: 2	SEX: Male	DAY ON TEST: 377
	DOSE: 0.5% 61LM	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	Lung	Nose	Pancreas
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Testes	Trachea		

MISSING

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

AUTO PRECLUDES DIAG.

Urinary Bladder

OBSERVATIONS

Kidney		Inflammation	Chronic Active, Mild
Prostate		Inflammation	Chronic Active, Marked
Seminal Vesicle		Inflammation	Chronic Active, Minimal
Note: INFLAMMATION	TGLs = 2-4		
Spleen		Depletion Lymphoid	Mild
* Thyroid Gland	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:57
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 87	TRT#: 2 DOSE: 0.5% 61LM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 734 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Lymph Node - Mesenteric	Skin	Spleen	
OBSERVATIONS			
Bone Note: HYPEROSTOSIS TGLs = 3-9	Joint, Tarsal	Hyperostosis	Marked
* Thyroid Gland	Follicular Cel Follicle Follicular Cel Interstitium	Hyperplasia Pigmentation Pigmentation Pigmentation	Mild Mild Minimal Minimal
[Pigmentation TGLS = 4-5]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:57
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 88	TRT#: 2 DOSE: 0.5% 61LM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 735 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis	Lung	Penis
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OBSERVATIONS

Bone Note: HYPEROSTOSIS TGLs = 2-9	Joint, Tarsal	Hyperostosis	Marked
* Thyroid Gland	Follicle Follicular Cel Interstitium	Pigmentation Pigmentation Pigmentation	Mild Minimal Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:57

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 89

TRT#: 2

SEX: Male

DAY ON TEST: 512

DOSE: 0.5% 61LM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Gallbladder	Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Brain	Thalamus	Mineralization	Minimal
Epididymis		Inflammation	Chronic Active, Minimal
Kidney		Inflammation	Chronic Active, Mild
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR ADEN	TGLs = 8-2		
Note: HEPATOCLR CARC	TGLs = 9-3.1		
Preputial Gland		Inflammation	Chronic Active, Minimal
Salivary Glands		Inflammation	Chronic Active, Minimal
Stomach	Glandular	Inflammation	Chronic, Minimal
* Thyroid Gland	Follicle	Inflammation	Acute, Minimal
		Inflammation	Chronic, Minimal
	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Minimal

Note: PIGMENT TGLs = 5-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:57

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 90

TRT#: 2

SEX: Male

DAY ON TEST: 592

DOSE: 0.5% 61LM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Esophagus	Mammary Gland	Parathyroid Gland	Thymus
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OBSERVATIONS

Bone Note: HYPEROSTOSIS TGLs = 2-9	Joint, Tarsal	Hyperostosis	Marked
Brain Liver Note: NECROSIS TGLs = 5-2 [Hepatocellular Carcinoma TGLS = 6-2]	Thalamus	Mineralization Hepatocellular Carcinoma Necrosis	Minimal Moderate
Salivary Glands Stomach * Thyroid Gland Note: PIGMENT TGLs = 4-5	Glandular Follicle Follicular Cel Interstitium	Inflammation Mineralization Pigmentation Pigmentation Pigmentation	Chronic Active, Minimal Minimal Minimal Mild Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:57
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 91	TRT#: 2	SEX: Male	DAY ON TEST: 735
	DOSE: 0.5% 61LM	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

OBSERVATIONS

Bone	Joint, Tarsal	Hyperostosis	Marked
Note: HYPEROSTOSIS TGLs = 3-9			
Brain		Meningioma Benign	
Note: MENINGIOMA BGN TGLs = 5-11			
Note: CONSIDERED INCLUDED: SARCOMA AND MIXED TUMOR BGN.			
Note: MENINGIOMA; HOWEVER, THE PRESENCE OF NEURONAL ELEMENTS IN			
Note: SILVER POSITIVE RETICULIN FIBERS WERE NOTED WITHIN			
Note: THE MENINGEAL TUMOR.			
Note: PRIMARILY OF SPINDLE SHAPED CELLS SUGGESTING A FIBROUS			
Note: THE MASS MAKES IT CONFUSING. OTHER POSSIBLE DIAGNOSES			
Note: THE MASS ON THE FLOOR OF THE BRAIN APPEARS TO BE COMPOSED			
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 6-1			
Penis		Inflammation	Chronic Active, Mild
Note: INFLAMMATION TGLs = 2-10			
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Minimal
	Interstitium	Pigmentation	Minimal
[Pigmentation TGLS = 4-5]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:57
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 92	TRT#: 2 DOSE: 0.5% 61LM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 735 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Lymph Node - Mesenteric	Seminal Vesicle
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OBSERVATIONS

Bone Note: HYPEROSTOSIS TGLs = 2-9	Joint, Tarsal	Hyperostosis	Marked
Epididymis		Inflammation	Chronic Active, Minimal
Skin		Inflammation	Chronic Active, Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Minimal
	Interstitium	Pigmentation	Minimal

[Pigmentation TGLS = 7-5]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:57
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 93	TRT#: 2	SEX: Male	DAY ON TEST: 735
	DOSE: 0.5% 61LM	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

OBSERVATIONS

Liver	Hepatocellular Adenoma
	Hepatocellular Carcinoma

Note: HEPATOCLR CARC TGLs = 6-2.1

Note: HEPATOCLR ADEN TGLs = 4,5-2

Penis

Note: INFLAMMATION TGLs = 2-9

Inflammation Chronic Active, Moderate

* Thyroid Gland

Follicular Cel

Hyperplasia Moderate

Follicle

Pigmentation Mild

Follicular Cel

Pigmentation Minimal

Interstitium

Pigmentation Minimal

[Pigmentation TGLs = 3-5]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:57
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 94	TRT#: 2	SEX: Male	DAY ON TEST: 734
	DOSE: 0.5% 61LM	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

OBSERVATIONS

Bone	Joint, Tarsal	Hyperostosis	Marked
Note: HYPEROSTOSIS	TGLs = 2-9		
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN	TGLs = 5-1		
Preputial Gland		Inflammation	Chronic Active, Mild
Stomach	Forestomach	Squamous Cell Papilloma	
Note: PAPILOMA SQUA	TGLs = 6-3		
* Thyroid Gland		Inflammation	Chronic, Minimal
	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Minimal
	Interstitium	Pigmentation	Minimal

Note: MARONPOT.
Note: ONE LOBE OF THE THYROID GLAND WAS TAKEN FOR EM BY DR.
[Pigmentation TGLS = 4-5]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:57
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 100

TRT#: 2
DOSE: 0.5% 61LM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 735
HISTO:

OBSERVATIONS

Bone
Note: HYPEROSTOSIS TGLs = 2-9

Joint, Tarsal

Hyperostosis

Marked

Epididymis
Preputial Gland
Note: WAS ACTUALLY AFFECTING THE PREPUTIAL GLAND ADJACENT TO
Note: THE PENIS.

Inflammation
Abscess

Chronic Active, Minimal
Marked

Note: ABSCCESS TGLs = 3-10
Note: THE LESION DESCRIBED BY THE PROSECTOR AFFECTING THE PENIS

* Thyroid Gland

Follicular Cel
Follicle
Follicular Cel
Interstitium

Hyperplasia
Pigmentation
Pigmentation
Pigmentation

Mild
Mild
Mild
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:57
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 101

TRT#: 2
DOSE: 0.5% 61LM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 735
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis Skin

OBSERVATIONS

Bone	Joint, Tarsal	Hyperostosis	Marked
Note: HYPEROSTOSIS TGLs = 3-9			
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Minimal
	Interstitium	Pigmentation	Minimal
[Pigmentation TGLS = 4-5]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:57
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 102	TRT#: 2	SEX: Male	DAY ON TEST: 735
	DOSE: 0.5% 61LM	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis	Lymph Node - Mesenteric
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OBSERVATIONS

Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN	TGLs = 3-1		
Preputial Gland		Abscess	Marked
Note: ABSCESS	TGLs = 2-9		
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Minimal
	[Pigmentation TGLS = 4-5]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:57

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 103

TRT#: 2

SEX: Male

DAY ON TEST: 399

DOSE: 0.5% 61LM

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 - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mesenteric	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Trachea	

MISSING

Lymph Node - Mandibular	Mammary Gland	Mesentery	Nose
Thymus	Urinary Bladder		

OBSERVATIONS

Brain	Thalamus	Mineralization	Minimal
Kidney		Inflammation	Chronic Active, Minimal
Liver		Necrosis	Marked
Note: NECROSIS TGLs = 15-2			
Spleen		Depletion Lymphoid	Mild
		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 7-3			
Testes	Germinal Epith	Giant Cell	Minimal
		Spermatogenic Arrest	Minimal
* Thyroid Gland	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Minimal

Note: PIGMENT TGLs = 6-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:57
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 105

TRT#: 2

SEX: Male

DAY ON TEST: 735

DOSE: 0.5% 61LM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

OBSERVATIONS

Lung

Alveolar/Bronchiolar Adenoma

Note: ALV BRON ADEN TGLs = 5-1

Preputial Gland

Inflammation

Chronic Active, Moderate

Note: INFLAMMATION TGLs = 4-9

Skin

Inflammation

Chronic Active, Minimal

* Thyroid Gland

Follicular Cel

Hyperplasia

Minimal

Follicle

Inflammation

Chronic, Minimal

Follicular Cel

Pigmentation

Mild

Interstitium

Pigmentation

Minimal

Pigmentation

Minimal

[Pigmentation TGLs = 6-5]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:57
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 107	TRT#: 2	SEX: Male	DAY ON TEST: 735
	DOSE: 0.5% 61LM	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis	Lymph Node - Mesenteric
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OBSERVATIONS

Bone [Hyperostosis TGLS = 1-9]	Joint, Tarsal	Hyperostosis	Marked
Skin Note: FIBROMA TGLs = 3-10	Subcut Tiss	Fibroma	
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Minimal
	Interstitium	Pigmentation	Minimal
[Pigmentation TGLS = 4-5]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:57
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 109

TRT#: 2
DOSE: 0.5% 61LM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 736
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

OBSERVATIONS

Bone	Joint, Tarsal	Hyperostosis	Marked
Note: HYPEROSTOSIS TGLs = 2-9			
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Minimal
	Interstitium	Pigmentation	Minimal
[Hyperplasia TGLs = 3-5]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:57
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 110

TRT#: 2
DOSE: 0.5% 61LM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 736
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lymph Node - Mesenteric

OBSERVATIONS

Bone	Joint, Tarsal	Hyperostosis	Marked
Note: HYPEROSTOSIS TGLs = 2-9			
Epididymis		Inflammation	Chronic Active, Minimal
* Thyroid Gland		Inflammation	Chronic, Minimal
	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Minimal
	Interstitium	Pigmentation	Minimal
[Pigmentation TGLS = 3-5]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:57
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 111

TRT#: 2
DOSE: 0.5% 61LM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 736
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lymph Node - Mesenteric

OBSERVATIONS

Bone	Joint, Tarsal	Hyperostosis	Marked
Note: HYPEROSTOSIS TGLs = 4-9			
Epididymis		Inflammation	Chronic Active, Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Minimal
	Interstitium	Pigmentation	Minimal
[Pigmentation TGLS = 3-5]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:57

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 113

TRT#: 2

SEX: Male

DAY ON TEST: 567

DOSE: 0.5% 61LM

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 - Ileum	Intestine Small - Jejunum	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Prostate	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Testes
Trachea	Urinary Bladder		

MISSING

Islets, Pancreatic	Mammary Gland	Parathyroid Gland	Pituitary Gland
Thymus			

OBSERVATIONS

Brain	Thalamus	Mineralization	Minimal
Kidney		Inflammation	Chronic Active, Minimal
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 7,9-2+2.1			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Salivary Glands		Inflammation	Chronic Active, Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:57
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 114

TRT#: 2
DOSE: 0.5% 61LM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 736
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis Seminal Vesicle

OBSERVATIONS

Kidney		Inflammation	Chronic Active, Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Minimal
	Interstitium	Pigmentation	Minimal

[Pigmentation TGLS = 3-5]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:57
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 116

TRT#: 2
DOSE: 0.5% 61LM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 736
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Note: HYPERPLASIA TGLs = 3-7			
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 4,5-2+2.1			
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Minimal
	Interstitium	Pigmentation	Minimal
[Pigmentation TGLS = 2-5]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:57

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 117

TRT#: 2

DOSE: 0.5% 61LM

SEX: Male

DISP: Dead

DAY ON TEST: 291

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	Kidney
Liver	Lung	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular
Testes	Trachea	Urinary Bladder	

MISSING

Lymph Node - Mesenteric	Mammary Gland	Thymus
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INSUFFICIENT TISSUE

Gallbladder

OBSERVATIONS

Skin	Subcut Tiss	Fibrosarcoma Inflammation	Chronic Active, Marked
Note: FIBROSARC TGLs = 2-9			
Note: INFLAMMATION TGLs = 2-9			
Spleen		Depletion Lymphoid Hematopoietic Cell Proliferation	Mild Mild
* Thyroid Gland	Follicle Follicular Cel Interstitium	Pigmentation Pigmentation Pigmentation	Minimal Mild Minimal
Note: PIGMENT TGLs = 3-5			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:57
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 119	TRT#: 2	SEX: Male	DAY ON TEST: 736
	DOSE: 0.5% 61LM	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis	Lung	Spleen
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OBSERVATIONS

Kidney		Inflammation	Chronic Active, Minimal
Stomach	Forestomach	Squamous Cell Papilloma	
Note: PAPILLOMA SQUA TGLs = 7-3.1			
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Minimal
	Interstitialium	Pigmentation	Minimal
[Pigmentation TGLS = 2-5]			
Urinary Bladder		Calculus Micro Observation Only	
		Inflammation	Chronic Active, Minimal
Note: CALCUS MIC OBS TGLs = 6-1			

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:57

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 120

TRT#: 2

SEX: Male

DAY ON TEST: 328

DOSE: 0.5% 61LM

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

Lung

Lymph Node - Mandibular

Lymph Node - Mesenteric

Nose

Pancreas

Penis

Salivary Glands

Skin

Stomach - Forestomach

Stomach - Glandular

Testes

Thymus

Trachea

MISSING

Mammary Gland

Parathyroid Gland

* Thyroid Gland

OBSERVATIONS

Kidney

Renal Tubule

Mineralization

Mild

Pituitary Gland

Pars Distalis

Cyst

Minimal

Prostate

Inflammation

Chronic Active, Marked

Seminal Vesicle

Inflammation

Chronic Active, Minimal

Spleen

Depletion Lymphoid

Minimal

Urethra

Inflammation

Chronic Active, Marked

Urinary Bladder

Hemorrhage

Marked

Inflammation

Chronic Active, Marked

Note: INFLAMMATION TGLs = 3,4-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:57
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 122

TRT#: 2
DOSE: 0.5% 61LM

SEX: Male
DISP: Dead

DAY ON TEST: 658
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis Skin

OBSERVATIONS

Spleen		Depletion Lymphoid	Marked
Note: DEPLET LYMPH	TGLs = 2-3		
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:57

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 123

TRT#: 2

SEX: Male

DAY ON TEST: 736

DOSE: 0.5% 61LM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis Lymph Node - Mesenteric

OBSERVATIONS

Bone	Joint, Tarsal	Hyperostosis	Marked
Note: HYPEROSTOSIS TGLs = 2-9			
Preputial Gland		Abscess	Marked
Note: INFLAMMATION TGLs = 4-10		Inflammation	Chronic Active, Minimal
Note: ABSCESS TGLs = 3-10			
* Thyroid Gland	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Mild
	Interstitial	Pigmentation	Minimal
[Pigmentation TGLS = 5-5]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 124

TRT#: 2

DOSE: 0.5% 61LM

SEX: Male

DISP: Dead

DAY ON TEST: 409

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	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Trachea
Urinary Bladder			

MISSING

Gallbladder	Mammary Gland	Prostate
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OBSERVATIONS

Epididymis		Inflammation	Chronic Active, Minimal
Kidney		Inflammation	Chronic Active, Minimal
Penis		Inflammation	Chronic Active, Mild
Note: INFLAMMATION TGLs = 2-9			
Note: AGGREGATES OF SPERMATOOZOA APPEARED TO BE IN THE SUBCUTAN-			
Note: EOUS TISSUES OF THE SHEATH ALONG WITH NEUTROPHILS.			
Preputial Gland		Inflammation	Chronic Active, Moderate
Salivary Glands		Inflammation	Chronic Active, Minimal
Seminal Vesicle		Inflammation	Chronic Active, Minimal
Thymus		Cyst	Minimal
* Thyroid Gland	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Minimal
Note: PIGMENT TGLs = 3-5			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 125	TRT#: 2	SEX: Male	DAY ON TEST: 168
	DOSE: 0.5% 61LM	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Heart	Liver
Lung	Parathyroid Gland	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Testes	Thymus
* Thyroid Gland			

MISSING

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Pituitary Gland	Spleen	Urethra	

AUTO PRECLUDES DIAG.

Bone Marrow	Epididymis	Esophagus	Gallbladder
Intestine Large - Cecum	Intestine Small - Ileum	Kidney	Prostate
Stomach - Glandular	Trachea	Urinary Bladder	

OBSERVATIONS

Lung
Note: IN MODERATELY AUTOLYZED LUNG.
Note: MULTIFOCAL BACTERIAL COLONIES WERE OBSERVED WITHOUT
Note: INFLAMMATORY RESPONSE, SUGGESTING BACTERIAL OVERGROWTH

PRIMARY CAUSE OF DEATH

-
Animal Note: MODERATELY TO MARKEDLY AUTOLYZED.
Animal Note: BACTERIAL COLONIES FOUND IN HEART, MEDIASTINAL LYMPH
Animal Note: BRAIN, PROSTATE, THYROID, TRACHEA. ALL TISSUES WERE
Animal Note: NODES, SALIVARY GLANDS, LIVER, KIDNEY, EPIDIDYMIS,

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 126

TRT#: 2
DOSE: 0.5% 61LM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 736
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis	Lymph Node - Mesenteric	Seminal Vesicle	Skin
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OBSERVATIONS

Bone Note: HYPEROSTOSIS TGLs = 3-9	Joint, Tarsal	Hyperostosis	Marked
Stomach Note: HYPERPLASIA TGLs = 7-3	Glandular	Hyperplasia	Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Minimal
	Interstitium	Pigmentation	Minimal

[Pigmentation TGLS = 5-5]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
 Test Type: CHRONIC
 Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: HC yellow 4
 CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
 Time Report Requested: 21:16:58
 First Dose M/F: NA / NA
 Lab: TSI MASON

ANIMAL ID: 127 TRT#: 2 SEX: Male DAY ON TEST: 736
 DOSE: 0.5% 61LM DISP: Terminal Sacrifice HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis	Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic
OBSERVATIONS			
Bone Note: HYPEROSTOSIS TGLs = 2-9	Joint, Tarsal	Hyperostosis	Marked
Intestine Small Note: LYMPH MAL UNDF TGLs = 8-6	Ileum	Lymphoma Malignant Undifferentiated Cell Type	
Lung Note: ALV BRON ADEN TGLs = 5-1		Alveolar/Bronchiolar Adenoma	
Lymph Node Note: LYMPH MAL UNDF TGLs = 9-5.1	Mesenteric	Lymphoma Malignant Undifferentiated Cell Type	
Pancreas		Vacuolization Cytoplasmic	Minimal
Preputial Gland Note: INFLAMMATION TGLs = 3-10		Inflammation	Chronic Active, Mild
Spleen Note: LYMPH MAL UNDF TGLs = 6-3		Lymphoma Malignant Undifferentiated Cell Type	
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Minimal
	Interstitium	Pigmentation	Minimal
[Pigmentation TGLS = 4-5]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
 Test Type: CHRONIC
 Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: HC yellow 4
 CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
 Time Report Requested: 21:16:58
 First Dose M/F: NA / NA
 Lab: TSI MASON

ANIMAL ID: 129 TRT#: 2 SEX: Male DAY ON TEST: 607
 DOSE: 0.5% 61LM DISP: Moribund HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lung	Lymph Node - Mandibular
Nose	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Trachea	Urinary Bladder

MISSING

Lymph Node - Mesenteric	Mammary Gland	Parathyroid Gland	Thymus
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OBSERVATIONS

Bone	Joint, Tarsal	Hyperostosis	Moderate
Note: HYPEROSTOSIS TGLs = 2-9			
Brain	Thalamus	Mineralization	Minimal
Kidney		Inflammation	Chronic Active, Mild
		Vacuolization Cytoplasmic	Mild
Liver		Hepatocellular Carcinoma	
		Necrosis	Minimal
[Hepatocellular Carcinoma TGLS = 5-3.1]			
Pancreas		Inflammation	Chronic, Minimal
		Vacuolization Cytoplasmic	Mild
* Thyroid Gland	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Moderate
	Interstitium	Pigmentation	Mild
Note: PIGMENT TGLs = 4-5			
Tooth		Dysplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 130

TRT#: 2

SEX: Male

DAY ON TEST: 736

DOSE: 0.5% 61LM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis

Lymph Node - Mesenteric

Skin

OBSERVATIONS

Kidney

Inflammation

Chronic Active, Minimal

* Thyroid Gland

Follicular Cel

Hyperplasia

Minimal

Follicle

Inflammation

Chronic, Minimal

Follicular Cel

Pigmentation

Minimal

Interstitium

Pigmentation

Minimal

Pigmentation

Minimal

[Pigmentation TGLS = 4-5]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 131

TRT#: 2
DOSE: 0.5% 61LM

SEX: Male
DISP: Dead

DAY ON TEST: 271
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Liver	Lung	Penis	Pituitary Gland
Seminal Vesicle	Skin	Stomach - Forestomach	Testes
Trachea			

MISSING

Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mesenteric
Mammary Gland	Pancreas	Parathyroid Gland	

AUTO PRECLUDES DIAG.

Gallbladder	Lymph Node - Mandibular	Spleen	Stomach - Glandular
Thymus	Urinary Bladder		

INSUFFICIENT TISSUE

Nose

OBSERVATIONS

Kidney		Inflammation	Chronic Active, Minimal
Prostate		Inflammation	Chronic Active, Mild
Salivary Glands		Inflammation	Chronic Active, Minimal
* Thyroid Gland	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Mild
	Interstitialium	Pigmentation	Minimal

Note: PIGMENT TGLs = 4-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 132

TRT#: 2
DOSE: 0.5% 61LM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 736
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis Skin

OBSERVATIONS

Bone Joint, Tarsal Hyperostosis Marked

Note: HYPEROSTOSIS TGLs = 2-9

Lung Alveolar/Bronchiolar Adenoma

Note: ALV BRON ADEN TGLs = 5-1.1

* Thyroid Gland Follicular Cel Hyperplasia Minimal

Follicle Pigmentation Mild

Follicular Cel Pigmentation Mild

Interstitium Pigmentation Minimal

[Pigmentation TGLS = 4-5]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 133	TRT#: 2 DOSE: 0.5% 61LM	SEX: Male DISP: Moribund	DAY ON TEST: 687 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis	Skin	Urinary Bladder
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MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Bone	Joint, Tarsal	Hyperostosis	Marked
Note: HYPEROSTOSIS TGLs = 3-9			
Kidney		Inflammation	Chronic Active, Minimal
Lung		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC TGLs = 6-1			
Spleen		Depletion Lymphoid	Moderate
Note: DEPLET LYMPH TGLs = 7-3			
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Minimal
	Interstitium	Pigmentation	Minimal

[Pigmentation TGLS = 5-5]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 136	TRT#: 2	SEX: Male	DAY ON TEST: 675
	DOSE: 0.5% 61LM	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Seminal Vesicle

OBSERVATIONS

Epididymis		Inflammation	Chronic Active, Minimal
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC	TGLs = 3-2.1		
Skin		Inflammation	Chronic Active, Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
Note: HEMA CELL PROL	TGLs = 4-3		
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Minimal

[Pigmentation TGLS = 6-5]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 138	TRT#: 2	SEX: Male	DAY ON TEST: 736
	DOSE: 0.5% 61LM	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis Penis

MISSING

Skin

OBSERVATIONS

Bone	Joint, Tarsal	Hyperostosis	Marked
Note: HYPEROSTOSIS TGLs = 3-9			
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 5,6-2			
* Thyroid Gland	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Minimal
	Interstitium	Pigmentation	Minimal

[Pigmentation TGLS = 4-5]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 139

TRT#: 2

SEX: Male

DAY ON TEST: 384

DOSE: 0.5% 61LM

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 - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Brain	Thalamus	Mineralization	Minimal
Kidney		Inflammation	Chronic Active, Minimal
Salivary Glands		Inflammation	Chronic Active, Minimal
Skin	Subcut Tiss	Fibrosarcoma	
[Fibrosarcoma TGLS = 2-2]			
Spleen		Hematopoietic Cell Proliferation	Mild
[Hematopoietic Cell Proliferation TGLS = 4-3]			
* Thyroid Gland	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Minimal

Note: PIGMENT TGLs = 5-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 140	TRT#: 2 DOSE: 0.5% 61LM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 736 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lymph Node - Mesenteric Skin

OBSERVATIONS

Bone Note: HYPEROSTOSIS TGLs = 3-9	Joint, Tarsal	Hyperostosis	Marked
Epididymis		Inflammation	Chronic Active, Minimal
Kidney		Inflammation	Chronic Active, Minimal
Lung Note: ALV BRON ADEN TGLs = 7-1		Alveolar/Bronchiolar Adenoma	
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Minimal
	Interstitialium	Pigmentation	Minimal

[Pigmentation TGLS = 4-5]

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 141

TRT#: 3

DOSE: 1.0% 61HM

SEX: Male

DISP: Moribund

DAY ON TEST: 668

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Adrenal Gland	Medulla	Hyperplasia	Minimal
* Bone	Joint, Tarsal	Hyperostosis	Marked
Note: HYPEROSTOSIS TGLs = 2-9			
* Brain	Thalamus	Mineralization	Minimal
* Kidney		Cyst	Mild
		Hydronephrosis	Mild
		Inflammation	Chronic Active, Mild
Note: CYST TGLs = 8-3			
* Liver		Necrosis	Moderate
Note: THE LIVER NODULE WOULD APPEAR TO BE A PORTION WHICH			
Note: NECROSIS TGLs = 7-2			
Note: WAS PREVIOUSLY INFARCTED AND IS NOW FIBROSED.			
* Pancreas		Inflammation	Chronic, Minimal
		Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Prostate		Inflammation	Chronic Active, Minimal
* Stomach	Glandular	Inflammation	Chronic, Minimal
* Thyroid Gland	Follicle	Cyst	Mild
	Follicular Cel	Hyperplasia	Minimal
	Follicle	Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 141	TRT#: 3 DOSE: 1.0% 61HM	SEX: Male DISP: Moribund	DAY ON TEST: 668 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Follicular Cel	Pigmentation	Mild
Interstitial	Pigmentation	Mild

Note: ELIUM, COLLOID, AND INTERSTITIUM (MACROPHAGES).

Note: PIGMENT TGLs = 3-5

Note: YELLOW-GOLD PIGMENT WAS OBSERVED IN THE FOLLICULAR EPITH-

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 143

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 1.0% 61HM

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
* Pituitary Gland	* Seminal Vesicle	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Testes	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland	* Parathyroid Gland	* Skin	* Thymus
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OBSERVATIONS

* Brain	Thalamus	Mineralization	Minimal
* Epididymis		Inflammation	Chronic Active, Minimal
* Kidney		Inflammation	Chronic Active, Minimal
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 4-2			
* Lung		Alveolar/Bronchiolar Adenoma	
* Nose		Inflammation	Acute, Minimal
* Pancreas		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Chronic Active, Minimal
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
	Follicle	Pigmentation	Moderate
	Follicular Cel	Pigmentation	Moderate
	Interstitium	Pigmentation	Minimal

Note: PIGMENT TGLs = 2-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 144

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 1.0% 61HM

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	* Parathyroid Gland	* Pituitary Gland
* Skin	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node - Mandibular	* Mammary Gland	* Prostate
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OBSERVATIONS

* Kidney		Inflammation	Chronic Active, Minimal
* Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 5-2			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Pancreas		Inflammation	Chronic, Minimal
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Seminal Vesicle		Inflammation	Chronic Active, Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicle	Inflammation	Chronic, Minimal
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Mild
		Pigmentation	Mild

Note: PIGMENT TGLs = 2-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 145

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 1.0% 61HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Brain
* Heart
* Intestine Small - Duodenum
* Liver
* Nose
* Spleen
* Trachea

* Adrenal Gland - Medulla
* Epididymis
* Intestine Large - Cecum
* Intestine Small - Ileum
* Lung
* Pituitary Gland
* Stomach - Forestomach
* Urinary Bladder

* Bone
* Esophagus
* Intestine Large - Colon
* Intestine Small - Jejunum
* Lymph Node - Mandibular
* Salivary Glands
* Stomach - Glandular

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

MISSING

* Mammary Gland

* Parathyroid Gland

INSUFFICIENT TISSUE

* Thymus

OBSERVATIONS

* Kidney
* Pancreas
* Prostate
* Seminal Vesicle
* Thyroid Gland

Follicular Cel
Follicle
Follicular Cel
Interstitium

Inflammation
Inflammation
Inflammation
Inflammation
Hyperplasia
Inflammation
Pigmentation
Pigmentation
Pigmentation

Chronic Active, Minimal
Chronic, Minimal
Chronic Active, Minimal
Chronic Active, Minimal
Minimal
Chronic, Mild
Mild
Mild
Mild

Note: PIGMENT TGLs = 5-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 147

TRT#: 3

DOSE: 1.0% 61HM

SEX: Male

DISP: Dead

DAY ON TEST: 308

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	* Islets, Pancreatic
* Liver	* Lymph Node - Mandibular	* Lymph Node - Mesenteric	* Nose
* Pancreas	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Stomach - Forestomach	* Stomach - Glandular	* Testes	* Trachea

MISSING

* Mammary Gland	* Parathyroid Gland	* Thymus
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AUTO PRECLUDES DIAG.

* Intestine Small - Duodenum	* Intestine Small - Ileum	* Intestine Small - Jejunum
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OBSERVATIONS

* Epididymis		Inflammation	Chronic Active, Mild
* Kidney		Adenocarcinoma	
	Papilla	Mineralization	Mild
Note: MINERALIZATION TGLs = 11-3 [Mineralization TGLS = 11-3]			
* Lung	Bronchiole, Epithelium	Hyperplasia	Minimal
Preputial Gland		Inflammation	Chronic Active, Marked
Note: INFLAMMATION TGLs = 1-3.1			
* Prostate		Inflammation	Chronic Active, Marked
* Skin		Inflammation	Chronic Active, Moderate
* Spleen		Depletion Lymphoid	Mild
		Hematopoietic Cell Proliferation	Moderate
Note: DEPLET LYMPH TGLs = 6-3 Note: HEMA CELL PROL TGLs = 6-3			
* Thyroid Gland	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Minimal
* Urinary Bladder		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 2-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 147

TRT#: 3

SEX: Male

DAY ON TEST: 308

DOSE: 1.0% 61HM

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 148

TRT#: 3

SEX: Male

DAY ON TEST: 220

DOSE: 1.0% 61HM

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Esophagus
* Intestine Large - Colon
* Intestine Small - Jejunum
* Lymph Node - Mandibular
* Prostate
* Stomach - Forestomach
* Urinary Bladder

* Adrenal Gland - Medulla
* Gallbladder
* Intestine Large - Rectum
* Islets, Pancreatic
* Lymph Node - Mesenteric
* Salivary Glands
* Stomach - Glandular

* Bone
* Heart
* Intestine Small - Duodenum
* Liver
* Nose
* Seminal Vesicle
* Testes

* Bone Marrow
* Intestine Large - Cecum
* Intestine Small - Ileum
* Lung
* Pancreas
* Skin
* Trachea

MISSING

* Epididymis

* Mammary Gland

* Parathyroid Gland

* Pituitary Gland

AUTO PRECLUDES DIAG.

* Thymus

OBSERVATIONS

* Brain
* Kidney
Preputial Gland
Note: INFLAMMATION TGLs = 1-5,9
* Spleen
* Thyroid Gland

Thalamus

Follicular Cel
Interstitium

Mineralization
Inflammation
Inflammation

Depletion Lymphoid
Pigmentation
Pigmentation

Minimal
Chronic Active, Minimal
Chronic Active, Marked

Mild
Mild
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 149

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 1.0% 61HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex

* Adrenal Gland - Medulla

* Bone Marrow

* Brain

* Esophagus

* Gallbladder

* Intestine Large - Cecum

* Intestine Large - Rectum

* Intestine Small - Duodenum

* Intestine Small - Ileum

* Islets, Pancreatic

* Liver

* Lung

* Lymph Node - Mandibular

* Lymph Node - Mesenteric

* Nose

* Pancreas

* Skin

* Spleen

* Stomach - Forestomach

* Stomach - Glandular

* Testes

* Trachea

MISSING

* Intestine Large - Colon

* Intestine Small - Jejunum

* Mammary Gland

* Parathyroid Gland

OBSERVATIONS

* Bone

Joint, Tarsal

Hyperostosis

Marked

[Hyperostosis TGLS = 2-9]

* Epididymis

Inflammation

Chronic Active, Minimal

* Heart

Inflammation

Chronic, Minimal

* Kidney

Inflammation

Chronic Active, Minimal

* Pituitary Gland

Pars Distalis

Hyperplasia

Minimal

Preputial Gland

Abscess

Marked

[Abscess TGLS = 3-10]

* Prostate

Inflammation

Chronic Active, Minimal

* Salivary Glands

Inflammation

Chronic Active, Minimal

* Seminal Vesicle

Inflammation

Chronic Active, Minimal

* Thymus

Cyst

Minimal

* Thyroid Gland

Follicular Cel

Hyperplasia

Mild

Follicle

Pigmentation

Mild

Follicular Cel

Pigmentation

Mild

Interstitium

Pigmentation

Mild

Note: PIGMENT TGLs = 4-5

* Tooth

Dysplasia

Mild

* Urinary Bladder

Inflammation

Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 150

TRT#: 3

SEX: Male

DAY ON TEST: 617

DOSE: 1.0% 61HM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Gland - Cortex
- * Brain
- * Intestine Large - Cecum
- * Intestine Small - Ileum
- * Lymph Node - Mandibular
- * Pituitary Gland
- * Skin
- * Testes

- * Adrenal Gland - Medulla
- * Epididymis
- * Intestine Large - Colon
- * Intestine Small - Jejunum
- * Nose
- * Prostate
- * Spleen
- * Thymus

- * Bone
- * Gallbladder
- * Intestine Large - Rectum
- * Islets, Pancreatic
- * Pancreas
- * Salivary Glands
- * Stomach - Forestomach
- * Trachea

- * Bone Marrow
- * Heart
- * Intestine Small - Duodenum
- * Lung
- Penis
- * Seminal Vesicle
- * Stomach - Glandular

MISSING

- * Esophagus

- * Lymph Node - Mesenteric

- * Mammary Gland

- * Parathyroid Gland

OBSERVATIONS

- * Kidney Inflammation Chronic Active, Minimal
- * Liver Hepatocellular Carcinoma Multiple
 - Note: HEPATOCLR CARC TGLs = 6-2+5.1
- * Thyroid Gland
 - Follicular Cel Hyperplasia Minimal
 - Follicle Pigmentation Mild
 - Follicular Cel Pigmentation Mild
 - Interstitium Pigmentation Mild
 - Note: PIGMENT TGLs = 4-5
- * Urinary Bladder Inflammation Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 151

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 1.0% 61HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Gallbladder	* Mammary Gland
---------------	-----------------

OBSERVATIONS

* Bone	Joint, Tarsal	Hyperostosis	Marked
Note: HYPEROSTOSIS TGLs = 2-9			
* Brain	Thalamus	Mineralization	Minimal
* Heart		Inflammation	Chronic, Minimal
* Kidney		Inflammation	Chronic Active, Mild
* Liver		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 7-2]			
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
[Alveolar/Bronchiolar Adenoma TGLS = 5-1]			
* Prostate		Inflammation	Chronic Active, Minimal
* Seminal Vesicle		Inflammation	Chronic Active, Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
	Follicle	Inflammation	Chronic, Mild
	Follicular Cel	Pigmentation	Mild
	Interstitialium	Pigmentation	Mild
		Pigmentation	Minimal
Note: PIGMENT TGLs = 4-5			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 152 **TRT#:** 3 **SEX:** Male **DAY ON TEST:** 730
DOSE: 1.0% 61HM **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	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Testes	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Parathyroid Gland	* Prostate	* Thymus
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OBSERVATIONS

* Gallbladder		Inflammation	Chronic, Minimal
Harderian Gland		Adenoma	
Note: ADENOMA TGLs = 4-9			
* Kidney		Inflammation	Chronic Active, Minimal
* Liver		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 8-2]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Note: HEPATOCLR CARC TGLs = 5-1			
* Pancreas		Inflammation	Chronic, Minimal
* Seminal Vesicle		Inflammation	Chronic Active, Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Mild
Note: PIGMENT TGLs = 6-5			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 153

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 1.0% 61HM

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	* Lymph Node - Mandibular	* Lymph Node - Mesenteric
* Nose	* Pituitary Gland	* Prostate	* Salivary Glands
* Skin	* Spleen	* Testes	* Thymus
* Trachea			

MISSING

* Mammary Gland	* Parathyroid Gland
-----------------	---------------------

OBSERVATIONS

* Adrenal Gland	Cortex	Hyperplasia	Minimal
* Bone	Joint, Tarsal	Hyperostosis	Marked
[Hyperostosis TGLS = 1-9]			
* Kidney	Renal Tubule	Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 5-2.1			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pancreas	Duct	Dilatation	Marked
		Inflammation	Chronic, Minimal
		Vacuolization Cytoplasmic	Moderate
Note: DILATATION TGLs = 4-5.1			
* Seminal Vesicle		Inflammation	Chronic Active, Minimal
* Stomach	Glandular	Inflammation	Chronic, Minimal
	Forestomach	Squamous Cell Papilloma	
Note: PAPILLOMA SQUA TGLs = 8-3			
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 153

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 1.0% 61HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: THE TREATED ANIMAL.

Note: THE GIEMSA STAIN REVEALED BLUE GRANULES IN THE FOLLICULAR

Note: CELLS AND IRREGULARLY SHAPED DARK BLUE AGGREGATES IN THE

Note: COLLOID. THE FONTANA-MASSON PRODUCED DARK BROWN-BLACK

Note: GRANULES IN THE FOLLICULAR CELLS AND THE COLLOID.

Note: PIGMENT GRANULES WERE LIGHT BROWN IN THE UNSTAINED PRE-

Note: LIST. AN UNSTAINED SECTION WAS ALSO EXAMINED. THE

Note: THE SPECIAL STAINS WERE USED TO CHARACTERIZE THE PIGMENT

Note: PIGMENT TGLs = 3-5

Note: IN THE CONTROL AND TREATED, BUT MUCH MORE POSITIVE IN

Note: CONTROL. PERL'S IRON STAIN WAS ALSO NEGATIVE BUT COULD

Note: NOT BE LOGGED IN BECAUSE THE STAIN IS NOT ON THE STAIN

Note: PARATION. THE FONTANA-MASSON SILVER STAIN WAS POSITIVE

Note: IN THE THYROID GLAND. ANIMAL 4 UF (85-0983) SERVED AS A

* Urinary Bladder

Inflammation

Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 154

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 1.0% 61HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Epididymis
* Intestine Large - Cecum
* Intestine Small - Ileum
* Lung
* Pancreas
* Stomach - Forestomach
* Trachea

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

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

* Bone Marrow
* Heart
* Intestine Small - Duodenum
* Liver
* Nose
* Spleen
* Thymus

MISSING

* Mammary Gland

* Parathyroid Gland

* Pituitary Gland

OBSERVATIONS

* Brain
* Kidney
* Prostate
* Salivary Glands

Thalamus

Mineralization
Inflammation
Inflammation
Inflammation

Minimal
Chronic Active, Minimal
Chronic Active, Minimal
Chronic Active, Minimal

Note: PAROTID SHOWS A PECULIAR AUTOLYSIS.

* Thyroid Gland

Follicular Cel
Follicle
Follicular Cel
Interstitium

Hyperplasia
Pigmentation
Pigmentation
Pigmentation

Mild
Mild
Mild
Mild

Note: PIGMENT TGLs = 4-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 155

TRT#: 3

SEX: Male

DAY ON TEST: 297

DOSE: 1.0% 61HM

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Epididymis	* Intestine Large - Cecum	* Intestine Large - Colon	* Intestine Large - Rectum
* Intestine Small - Duodenum	* Islets, Pancreatic	* Kidney	* Pancreas
* Prostate	* Seminal Vesicle	* Skin	* Testes
* Urinary Bladder			

MISSING

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Gallbladder	* Heart
* Intestine Small - Ileum	* Intestine Small - Jejunum	* Liver	* Lung
* Lymph Node - Mandibular	* Lymph Node - Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Thyroid Gland
* Trachea			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 156

TRT#: 3

DOSE: 1.0% 61HM

SEX: Male

DISP: Moribund

DAY ON TEST: 484

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	* Intestine Small - Ileum	* Intestine Small - Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node - Mandibular
* Lymph Node - Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Stomach - Forestomach
* Stomach - Glandular	* Testes	Tooth	* Trachea

MISSING

* Mammary Gland	* Thymus
-----------------	----------

OBSERVATIONS

* Brain	Thalamus	Mineralization	Minimal
* Epididymis		Inflammation	Chronic Active, Minimal
Note: CONNECTIVE TISSUE ASSOCIATED WITH THE EPIDIDYMIS.			
Note: A LIGHT YELLOW COLOR WAS ASSOCIATED WITH SOME OF THE			
* Heart		Inflammation	Chronic, Minimal
* Kidney		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Minimal
* Skin	Subcut Tiss	Fibrosarcoma	
Note: COLLAGEN FIBRILS IN THE DERMIS APPEAR TO HAVE A SLIGHT			
Note: YELLOW COLOR.			
Note: FIBROSARC TGLs = 5-9			
* Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 3-3			
* Thyroid Gland	Follicle	Inflammation	Chronic, Minimal
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Mild
		Pigmentation	Mild
Note: PIGMENT TGLs = 2-5			
* Trachea			
Note: THE LIGHT YELLOW PIGMENT OBSERVED IN THE ADVENTITIA AROUND			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 156

TRT#: 3

SEX: Male

DAY ON TEST: 484

DOSE: 1.0% 61HM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: THE TRACHEA WAS ALSO SEEN IN THE ADVENTITIA SURROUNDING

Note: BLOOD VESSELS IN THE MEDIASTINUM.

* Urinary Bladder

Inflammation

Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 159

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 1.0% 61HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Medulla	* Bone	* Bone Marrow	* Brain
Ear	* 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	* Pituitary Gland
Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Testes	* Thymsus	* Trachea	

MISSING

* Intestine Large - Colon	* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Gland	Cortex	Hyperplasia	Minimal
* Kidney		Inflammation	Chronic Active, Minimal
* Liver		Hepatocellular Carcinoma	
	[Hepatocellular Carcinoma TGLS = 7-2.1]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLS = 5-1.1]		
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
		Inflammation	Chronic, Mild
	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Mild
	Note: HYPERPLASIA TGLs = 4-5		
	Note: PIGMENT TGLs = 3-5		
* Urinary Bladder		Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 160

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 1.0% 61HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Bone	* Bone Marrow
* 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	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Testes
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Brain	Thalamus	Mineralization	Minimal
* Heart		Inflammation	Chronic, Minimal
* Kidney		Inflammation	Chronic Active, Minimal
* Liver		Basophilic Focus	Mild
Note: BASOPH FOCUS	TGLs = 5-2		
* Skin		Inflammation	Chronic Active, Minimal
* Thymus		Cyst	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicle	Inflammation	Chronic, Minimal
	Follicular Cel	Pigmentation	Moderate
	Interstitialium	Pigmentation	Moderate
Note: PIGMENT	TGLs = 4-5		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 161

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 1.0% 61HM

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 - Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node - Mandibular	* Lymph Node - Mesenteric
* Nose	* Pancreas	* Pituitary Gland	* Prostate
* Spleen	* Stomach - Forestomach	* Testes	* Trachea

MISSING

* Intestine Small - Ileum	* Mammary Gland	* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Kidney		Inflammation	Chronic Active, Minimal
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Seminal Vesicle		Inflammation	Chronic Active, Minimal
* Skin		Inflammation	Chronic Active, Minimal
Note: INFLAMMATION TGLs = 2-9			
* Stomach	Glandular	Inflammation	Chronic, Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
	Follicle	Pigmentation	Moderate
	Follicular Cel	Pigmentation	Moderate
	Interstitium	Pigmentation	Mild
Note: PIGMENT TGLs = 3-5			
* Urinary Bladder		Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 162

TRT#: 3

SEX: Male

DAY ON TEST: 394

DOSE: 1.0% 61HM

DISP: Accident

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Gland - Cortex
- * Esophagus
- * Intestine Large - Colon
- * Intestine Small - Jejunum
- * Lymph Node - Mandibular
- * Pituitary Gland
- * Spleen
- * Trachea

- * Adrenal Gland - Medulla
- * Gallbladder
- * Intestine Large - Rectum
- * Islets, Pancreatic
- * Lymph Node - Mesenteric
- * Prostate
- * Stomach - Forestomach
- * Urinary Bladder

- * Bone
- * Heart
- * Intestine Small - Duodenum
- * Liver
- * Nose
- * Salivary Glands
- * Stomach - Glandular

- * Bone Marrow
- * Intestine Large - Cecum
- * Intestine Small - Ileum
- * Lung
- * Pancreas
- * Skin
- * Testes

MISSING

* Mammary Gland

* Parathyroid Gland

* Thymus

OBSERVATIONS

- * Brain
- * Epididymis
- * Kidney
- * Seminal Vesicle
- * Thyroid Gland

Thalamus

Follicle
Follicular Cel
Interstitium

Mineralization
Granuloma Sperm
Inflammation
Inflammation
Pigmentation
Pigmentation
Pigmentation

Minimal
Mild
Chronic Active, Minimal
Chronic Active, Minimal
Mild
Mild
Minimal

Note: PIGMENT TGLs = 5-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 163

TRT#: 3

DOSE: 1.0% 61HM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 730

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	* Lymph Node - Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Skin
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Testes
* Thymus	* Trachea		

MISSING

* Mammary Gland

OBSERVATIONS

* Bone	Joint, Tarsal	Hyperostosis	Moderate
[Hyperostosis TGLS = 5-9]			
* Kidney		Cyst	Mild
		Inflammation	Chronic Active, Mild
Note: CYST	TGLs = 3-3+3.1		
* Lung			
Note: MINOR HEMORRHAGE IN LUNG REPRESENTS ARTEFACT.			
* Prostate		Inflammation	Chronic Active, Minimal
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Seminal Vesicle		Inflammation	Chronic Active, Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Mild
Note: PIGMENT	TGLs = 2-5		
Tooth		Dysplasia	Mild
* Urinary Bladder		Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 163

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 1.0% 61HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 164

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 1.0% 61HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Brain
* Heart
* Intestine Small - Duodenum
* Liver
* Nose
* Prostate
* Stomach - Forestomach

* Adrenal Gland - Medulla
* Epididymis
* Intestine Large - Cecum
* Intestine Small - Ileum
* Lung
* Pancreas
* Seminal Vesicle
* Testes

* Bone
* Esophagus
* Intestine Large - Colon
* Intestine Small - Jejunum
* Lymph Node - Mandibular
* Parathyroid Gland
* Skin
* Thymus

* Bone Marrow
* Gallbladder
* Intestine Large - Rectum
* Islets, Pancreatic
* Lymph Node - Mesenteric
* Pituitary Gland
* Spleen
* Trachea

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney
* Salivary Glands
* Stomach
* Thyroid Gland

Glandular
Follicular Cel

Follicle
Follicular Cel
Interstitium

Inflammation
Inflammation
Mineralization
Hyperplasia
Inflammation
Pigmentation
Pigmentation
Pigmentation

Chronic Active, Minimal
Chronic Active, Minimal
Mild
Minimal
Chronic, Minimal
Mild
Mild
Mild

Note: PIGMENT TGLs = 3-5

* Urinary Bladder

Inflammation

Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 165

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 1.0% 61HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Brain
* Heart
* Intestine Small - Duodenum
* Kidney
* Nose
* Skin
* Trachea

* Adrenal Gland - Medulla
* Epididymis
* Intestine Large - Cecum
* Intestine Small - Ileum
* Lung
* Pancreas
* Spleen
* Urinary Bladder

* Bone
* Esophagus
* Intestine Large - Colon
* Intestine Small - Jejunum
* Lymph Node - Mandibular
* Prostate
* Stomach - Forestomach

* Bone Marrow
* Gallbladder
* Intestine Large - Rectum
* Islets, Pancreatic
* Lymph Node - Mesenteric
* Seminal Vesicle
* Testes

MISSING

* Mammary Gland

* Parathyroid Gland

* Pituitary Gland

* Thymus

OBSERVATIONS

* Liver
[Hepatocellular Carcinoma TGLS = 4-2.1]
* Salivary Glands
* Stomach
* Thyroid Gland
Glandular
Follicular Cel
Follicle
Follicular Cel
Interstitialium
Hepatocellular Carcinoma
Inflammation
Inflammation
Hyperplasia
Inflammation
Pigmentation
Pigmentation
Pigmentation

Chronic Active, Minimal
Chronic, Minimal
Mild
Chronic, Mild
Moderate
Moderate
Moderate

Note: PIGMENT TGLs = 3-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 169

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 1.0% 61HM

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
* Lymph Node - Mandibular	* Lymph Node - Mesenteric	* Nose	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach - Forestomach	* Testes	* Thymus	* Trachea

MISSING

* Mammary Gland

INSUFFICIENT TISSUE

* Parathyroid Gland

OBSERVATIONS

* Bone	Joint, Tarsal	Hyperostosis	Moderate
[Hyperostosis TGLS = 3-9]			
Harderian Gland		Adenoma	
Note: ADENOMA	TGLs = 6-10		
* Kidney	Renal Tubule	Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
		Alveolar/Bronchiolar Adenoma	
* Lung			
[Alveolar/Bronchiolar Adenoma TGLS = 5-1.1]			
* Pancreas		Inflammation	Chronic, Mild
		Vacuolization Cytoplasmic	Minimal
* Prostate		Inflammation	Chronic Active, Minimal
* Stomach	Glandular	Inflammation	Chronic, Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
	Follicle	Pigmentation	Moderate
	Follicular Cel	Pigmentation	Moderate
	Interstitium	Pigmentation	Moderate
Note: PIGMENT	TGLs = 4-5		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 169

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 1.0% 61HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* Urinary Bladder

Inflammation

Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 170

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 1.0% 61HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Medulla
* Esophagus
* Intestine Large - Colon
* Intestine Small - Jejunum
* Lymph Node - Mandibular
* Parathyroid Gland
* Spleen
* Thymus

* Bone
* Gallbladder
* Intestine Large - Rectum
* Islets, Pancreatic
* Lymph Node - Mesenteric
* Salivary Glands
* Stomach - Forestomach
* Trachea

* Bone Marrow
* Heart
* Intestine Small - Duodenum
* Liver
* Nose
* Seminal Vesicle
* Stomach - Glandular

* Brain
* Intestine Large - Cecum
* Intestine Small - Ileum
* Lung
* Pancreas
* Skin
* Testes

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Gland
* Epididymis
* Kidney
* Pituitary Gland
* Prostate
* Thyroid Gland

Cortex

Hyperplasia
Inflammation
Inflammation
Hyperplasia
Inflammation
Hyperplasia
Inflammation
Pigmentation
Pigmentation
Pigmentation

Mild
Chronic Active, Minimal
Chronic Active, Minimal
Mild
Chronic Active, Minimal
Minimal
Chronic, Minimal
Moderate
Moderate
Mild

Pars Distalis

Follicular Cel

Follicle

Follicular Cel

Interstitium

Note: PIGMENT TGLs = 2-5

* Urinary Bladder

Calculus Micro Observation Only
Inflammation

Mild
Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 171

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 1.0% 61HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Parathyroid Gland
-----------------	---------------------

OBSERVATIONS

* Bone [Hyperostosis TGLS = 3-9]	Joint, Tarsal	Hyperostosis	Marked
* Brain	Thalamus	Mineralization	Minimal
* Intestine Small	Ileum	Lymphoma Malignant Undifferentiated Cell Type	
* Kidney		Inflammation	Chronic Active, Minimal
* Lung Note: ALV BRON CARC TGLs = 7-1.1		Alveolar/Bronchiolar Carcinoma	
* Lymph Node Note: LYMPH MAL UNDF TGLs = 8,9-5+10	Mesenteric	Lymphoma Malignant Undifferentiated Cell Type	
* Nose		Inflammation	Acute, Minimal
* Spleen		Lymphoma Malignant Undifferentiated Cell Type	
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Mild
Note: PIGMENT TGLs = 5-5			
* Urinary Bladder		Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 172

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 1.0% 61HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Gland	Medulla	Hyperplasia	Minimal
* Brain	Thalamus	Mineralization	Minimal
* Epididymis		Inflammation	Chronic Active, Minimal
* Kidney		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Minimal
* Seminal Vesicle		Inflammation	Chronic Active, Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Mild
Note: PIGMENT	TGLs = 2-5		
* Urinary Bladder		Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 173

TRT#: 3

SEX: Male

DAY ON TEST: 602

DOSE: 1.0% 61HM

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 - Ileum	* Intestine Small - Jejunum	* Islets, Pancreatic	* Kidney
* Liver	* Lung	* Lymph Node - Mesenteric	* Nose
* Pancreas	* Prostate	* Seminal Vesicle	* Skin
* Stomach - Forestomach	* Stomach - Glandular	* Testes	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node - Mandibular	* Mammary Gland	* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Brain	Thalamus	Mineralization	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Spleen		Depletion Lymphoid	Moderate
[Depletion Lymphoid TGLS = 2-3]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 175

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 1.0% 61HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Brain
* Heart
* Intestine Small - Duodenum
* Lung
* Pancreas
* Skin
* Trachea

* Adrenal Gland - Medulla
* Epididymis
* Intestine Large - Cecum
* Intestine Small - Ileum
* Lymph Node - Mandibular
* Pituitary Gland
* Stomach - Forestomach

* Bone
* Esophagus
* Intestine Large - Colon
* Intestine Small - Jejunum
* Lymph Node - Mesenteric
* Salivary Glands
* Stomach - Glandular

* Bone Marrow
* Gallbladder
* Intestine Large - Rectum
* Islets, Pancreatic
* Nose
* Seminal Vesicle
* Testes

MISSING

* Mammary Gland

* Parathyroid Gland

* Thymus

INSUFFICIENT TISSUE

* Prostate

OBSERVATIONS

* Kidney
* Liver
Note: HEPATOCLR CARC TGLs = 6-2.1

Inflammation
Hepatocellular Carcinoma

Chronic Active, Minimal

* Spleen
* Thyroid Gland
Follicular Cel
Follicular Cel
Follicle
Follicular Cel
Interstitialium

Hematopoietic Cell Proliferation
Adenoma
Hyperplasia
Inflammation
Pigmentation
Pigmentation
Pigmentation

Moderate
Minimal
Chronic, Minimal
Moderate
Moderate
Moderate

Note: PIGMENT TGLs = 3-5
* Urinary Bladder

Inflammation

Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 176

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 1.0% 61HM

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	* Liver	* Lung
* Lymph Node - Mandibular	* Lymph Node - Mesenteric	* Nose	Penis
* Pituitary Gland	* Prostate	* Seminal Vesicle	* Skin
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Testes
* Thymus	* Trachea		

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Brain	Thalamus	Mineralization	Minimal
* Epididymis		Inflammation	Chronic Active, Minimal
* Kidney		Inflammation	Chronic Active, Minimal
* Pancreas		Vacuolization Cytoplasmic	Minimal
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
	Follicle	Inflammation	Chronic, Minimal
	Follicular Cel	Pigmentation	Mild
	Interstitialium	Pigmentation	Mild
		Pigmentation	Mild
Note: PIGMENT	TGLs = 4-5		
* Urinary Bladder		Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 177

TRT#: 3

SEX: Male

DAY ON TEST: 701

DOSE: 1.0% 61HM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Gland - Cortex
- * Gallbladder
- * Intestine Large - Rectum
- * Islets, Pancreatic
- * Lymph Node - Mesenteric
- * Seminal Vesicle
- * Trachea

- * Adrenal Gland - Medulla
- * Heart
- * Intestine Small - Duodenum
- * Liver
- * Pancreas
- * Stomach - Forestomach

- * Epididymis
- * Intestine Large - Cecum
- * Intestine Small - Ileum
- * Lung
- * Parathyroid Gland
- * Stomach - Glandular

- * Esophagus
- * Intestine Large - Colon
- * Intestine Small - Jejunum
- * Lymph Node - Mandibular
- * Prostate
- * Testes

MISSING

- * Bone
- * Pituitary Gland

* Bone Marrow

* Mammary Gland

* Nose

OBSERVATIONS

- * Brain
- * Kidney
- * Salivary Glands
- * Skin
 - Note: SQUAM CEL CARC TGLs = 2-9
- * Spleen
- * Thymus
- * Thyroid Gland
 - Note: PIGMENT TGLs = 1-5
- * Urinary Bladder

Thalamus

Follicular Cel
Follicle
Follicular Cel
Interstitium

Mineralization
Inflammation
Inflammation
Squamous Cell Carcinoma

Depletion Lymphoid
Cyst
Hyperplasia
Pigmentation
Pigmentation
Pigmentation

Inflammation

Minimal
Chronic Active, Minimal
Chronic Active, Minimal

Mild
Minimal
Minimal
Moderate
Moderate
Mild

Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 178

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 1.0% 61HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

* Bone Note: HYPEROSTOSIS TGLs = 2-9	Joint, Tarsal	Hyperostosis	Mild
* Brain	Thalamus	Mineralization	Minimal
* Kidney		Inflammation	Chronic Active, Minimal
* Lung Note: THE HEMORRHAGES IN THE LUNG PROBABLY REPRESENT ARTEFACTS			
* Seminal Vesicle		Inflammation	Chronic Active, Minimal
* Stomach	Glandular	Mineralization	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
	Follicle	Pigmentation	Moderate
	Follicular Cel	Pigmentation	Moderate
	Interstitium	Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 180

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 1.0% 61HM

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 Small - Duodenum	* Intestine Small - Ileum	* Intestine Small - Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node - Mandibular	* Lymph Node - Mesenteric
* Nose	* Pancreas	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach - Forestomach
* Testes	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland	* Parathyroid Gland	* Prostate
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OBSERVATIONS

* Brain	Thalamus	Mineralization	Minimal
* Epididymis		Inflammation	Chronic Active, Minimal
* Intestine Large	Rectum	Adenocarcinoma	
Note: ADENOCARC	TGLs = 4-6.1		
* Kidney		Inflammation	Chronic Active, Minimal
* Liver		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 6-2]			
* Stomach	Glandular	Mineralization	Minimal
* Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
	Follicle	Pigmentation	Moderate
	Follicular Cel	Pigmentation	Moderate
	Interstitium	Pigmentation	Moderate
Note: PIGMENT	TGLs = 3-5		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 182

TRT#: 3

SEX: Male

DAY ON TEST: 679

DOSE: 1.0% 61HM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
Ear
* Intestine Large - Rectum
* Islets, Pancreatic
* Pituitary Gland
* Testes

* Adrenal Gland - Medulla
* Esophagus
* Intestine Small - Duodenum
* Liver
* Seminal Vesicle
* Trachea

* Bone
* Intestine Large - Cecum
* Intestine Small - Ileum
* Lung
* Stomach - Forestomach

* Bone Marrow
* Intestine Large - Colon
* Intestine Small - Jejunum
* Nose
* Stomach - Glandular

MISSING

* Lymph Node - Mandibular
* Thymus

* Lymph Node - Mesenteric

* Mammary Gland

* Parathyroid Gland

OBSERVATIONS

* Brain Thalamus
* Epididymis
* Gallbladder
* Heart
* Kidney

* Pancreas Renal Tubule
* Prostate
* Salivary Glands
* Skin Subcut Tiss
Note: FIBROSARC TGLs = 2-9
Note: THE SKIN COVERING THE MASS SHOWED MARKED ACUTE NECROTIZ-
Note: ING INFLAMMATION.

* Spleen
* Thyroid Gland Follicular Cel

Follicle
Follicular Cel
Interstitialium

Note: PIGMENT TGLs = 5-5

Mineralization
Inflammation
Inflammation
Inflammation
Inflammation
Mineralization
Vacuolization Cytoplasmic
Inflammation
Inflammation
Fibrosarcoma

Hematopoietic Cell Proliferation
Hyperplasia
Inflammation
Pigmentation
Pigmentation
Pigmentation

Minimal
Chronic Active, Minimal
Chronic, Minimal
Chronic, Minimal
Chronic Active, Minimal
Minimal
Minimal
Chronic Active, Minimal
Chronic Active, Minimal

Moderate
Mild
Chronic, Minimal
Moderate
Moderate
Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 182	TRT#: 3 DOSE: 1.0% 61HM	SEX: Male DISP: Moribund	DAY ON TEST: 679 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS		
* Urinary Bladder	Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 183

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 1.0% 61HM

DISP: Terminal Sacrifice

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 - Ileum	* Intestine Small - Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node - Mandibular	* Lymph Node - Mesenteric	* Nose
* Pancreas	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach - Forestomach
* Testes	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Brain	Thalamus	Mineralization	Minimal
* Kidney		Inflammation	Chronic Active, Minimal
* Stomach	Glandular	Inflammation	Chronic, Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Mild

Note: PIGMENT TGLs = 3-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 184

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 1.0% 61HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Epididymis
* Intestine Large - Colon
* Intestine Small - Jejunum
* Pancreas
* Salivary Glands
* Stomach - Forestomach
* Trachea

* Adrenal Gland - Medulla
* Esophagus
* Intestine Large - Rectum
* Islets, Pancreatic
* Parathyroid Gland
* Seminal Vesicle
* Stomach - Glandular
* Urinary Bladder

* Bone Marrow
* Gallbladder
* Intestine Small - Duodenum
* Lymph Node - Mesenteric
* Pituitary Gland
* Skin
* Testes

* Brain
* Intestine Large - Cecum
* Intestine Small - Ileum
* Nose
* Prostate
* Spleen
* Thymus

MISSING

* Lymph Node - Mandibular

* Mammary Gland

OBSERVATIONS

* Bone
[Hyperostosis TGLS = 2-9]
* Heart
* Kidney
* Liver
Note: HEPATOCLR ADEN TGLs = 4-2
* Lung
* Thyroid Gland
Note: PIGMENT TGLs = 3-5

Joint, Tarsal

Alveolar Epith
Follicular Cel
Follicle
Follicular Cel
Interstitium

Hyperostosis

Inflammation
Inflammation
Hepatocellular Adenoma

Hyperplasia
Hyperplasia
Pigmentation
Pigmentation
Pigmentation

Marked

Chronic, Minimal
Chronic Active, Minimal

Minimal
Mild
Moderate
Moderate
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 189

TRT#: 3

SEX: Male

DAY ON TEST: 708

DOSE: 1.0% 61HM

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Heart
* Lung	* Nose	* Prostate	* Salivary Glands
* Skin	* Urinary Bladder		

MISSING

* Gallbladder	* Lymph Node - Mesenteric	* Mammary Gland	* Spleen
* Thymus			

AUTO PRECLUDES DIAG.

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Bone Marrow	* Intestine Large - Cecum
* Intestine Large - Colon	* Intestine Large - Rectum	* Intestine Small - Duodenum	* Intestine Small - Ileum
* Intestine Small - Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lymph Node - Mandibular	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Seminal Vesicle	* Stomach - Forestomach	* Stomach - Glandular	* Testes
* Trachea			

OBSERVATIONS

* Brain	Thalamus	Mineralization	Minimal
Penis		Inflammation	Chronic Active, Mild
Note: INFLAMMATION TGLs = 1-9			
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
	Follicle	Pigmentation	Moderate
	Follicular Cel	Pigmentation	Moderate
	Interstitium	Pigmentation	Moderate
Note: PIGMENT TGLs = 2-5			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 190

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 1.0% 61HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Esophagus
* Intestine Large - Colon
* Intestine Small - Jejunum
* Lymph Node - Mandibular
* Prostate
* Stomach - Forestomach
* Urinary Bladder

* Adrenal Gland - Medulla
* Gallbladder
* Intestine Large - Rectum
* Islets, Pancreatic
* Lymph Node - Mesenteric
* Seminal Vesicle
* Stomach - Glandular

* Bone Marrow
* Heart
* Intestine Small - Duodenum
* Liver
* Nose
* Skin
* Testes

* Brain
* Intestine Large - Cecum
* Intestine Small - Ileum
* Lung
* Pituitary Gland
* Spleen
* Trachea

MISSING

* Mammary Gland

* Parathyroid Gland

* Thymus

OBSERVATIONS

* Bone
[Hyperostosis TGLS = 2-9]
* Epididymis
* Kidney
* Pancreas
* Salivary Glands
* Thyroid Gland

Joint, Tarsal

Follicle
Follicular Cel
Interstitium

Hyperostosis
Inflammation
Inflammation
Inflammation
Inflammation
Inflammation
Pigmentation
Pigmentation
Pigmentation

Marked
Chronic Active, Minimal
Chronic Active, Minimal
Chronic, Minimal
Chronic Active, Minimal
Chronic, Minimal
Moderate
Moderate
Minimal

Note: PIGMENT TGLs = 3-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 191

TRT#: 3

SEX: Male

DAY ON TEST: 645

DOSE: 1.0% 61HM

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Epididymis
* Intestine Large - Cecum
* Intestine Small - Jejunum
* Lymph Node - Mesenteric
* Prostate
* Stomach - Glandular

* Adrenal Gland - Medulla
* Esophagus
* Intestine Large - Colon
* Islets, Pancreatic
* Nose
* Seminal Vesicle
* Testes

* Bone Marrow
* Gallbladder
* Intestine Large - Rectum
* Liver
* Pancreas
* Skin
* Trachea

* Brain
* Heart
* Intestine Small - Duodenum
* Lung
* Parathyroid Gland
* Stomach - Forestomach
* Urinary Bladder

MISSING

* Intestine Small - Ileum
* Thymus

* Lymph Node - Mandibular

* Mammary Gland

* Pituitary Gland

OBSERVATIONS

* Bone
[Hyperostosis TGLS = 3-9]
* Kidney
* Salivary Glands
* Spleen
Note: DEPLET LYMPH TGLs = 6-3
* Thyroid Gland
Note: PIGMENT TGLs = 4-5

Joint, Tarsal

Follicular Cel
Follicle
Follicular Cel
Interstitium

Hyperostosis

Inflammation
Inflammation
Depletion Lymphoid

Hyperplasia
Pigmentation
Pigmentation
Pigmentation

Marked

Chronic Active, Minimal
Chronic Active, Minimal
Mild

Mild
Mild
Mild
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 193

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 1.0% 61HM

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	* Kidney	* Lung
* Lymph Node - Mandibular	* Lymph Node - Mesenteric	* Pancreas	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach - Forestomach
* Testes	* Trachea		

MISSING

* Mammary Gland	* Nose	* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Adrenal Gland	Cortex	Hyperplasia	Mild
* Bone	Joint, Tarsal	Hyperostosis	Marked
[Hyperostosis TGLS = 2-9]			
* Liver		Eosinophilic Focus	Minimal
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen		Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA TGLs = 4,5-3			
* Stomach	Glandular	Inflammation	Chronic, Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Mild
Note: PIGMENT TGLs = 3-5			
* Urinary Bladder		Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 196

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 1.0% 61HM

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	* Lymph Node - Mesenteric	* Nose
* Parathyroid Gland	* Pituitary Gland	* Seminal Vesicle	* Skin
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Testes
* Thymus	* Trachea		

MISSING

* Mammary Gland	* Prostate
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OBSERVATIONS

* Bone	Joint, Tarsal	Hyperostosis	Moderate
[Hyperostosis TGLS = 3-9]			
* Kidney		Inflammation	Chronic Active, Minimal
* Lung			
Note: THE MINOR HEMORRHAGES IN THE LUNG REPRESENT ARTEFACTS.			
* Pancreas		Inflammation	Chronic, Minimal
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
	Follicle	Inflammation	Chronic, Minimal
	Follicular Cel	Pigmentation	Mild
	Interstitialium	Pigmentation	Mild
		Pigmentation	Mild
Note: PIGMENT TGLs = 4-5			
* Urinary Bladder		Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 198

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 1.0% 61HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Medulla
* Esophagus
* Intestine Large - Colon
* Intestine Small - Jejunum
* Lymph Node - Mesenteric
* Salivary Glands
* Stomach - Forestomach
* Trachea

* Bone
* Gallbladder
* Intestine Large - Rectum
* Islets, Pancreatic
* Nose
* Seminal Vesicle
* Stomach - Glandular
* Urinary Bladder

* Bone Marrow
* Heart
* Intestine Small - Duodenum
* Liver
* Pancreas
* Skin
* Testes

* Brain
* Intestine Large - Cecum
* Intestine Small - Ileum
* Lymph Node - Mandibular
* Pituitary Gland
* Spleen
* Thymus

MISSING

* Mammary Gland

INSUFFICIENT TISSUE

* Parathyroid Gland

OBSERVATIONS

* Adrenal Gland
* Epididymis
* Kidney

Cortex

Hyperplasia
Inflammation
Cyst
Inflammation

Minimal
Chronic Active, Minimal
Mild
Chronic Active, Minimal

Note: EPITHELIAL CELLS LINING THE CYST WERE FILLED WITH A GOLD-

Note: YELLOW PIGMENT.

Note: CYST TGLs = 5-3.1

* Lung

Alveolar Epith

Hyperplasia

Minimal

[Hyperplasia TGLs = 4-1.1]

* Prostate

Inflammation

Chronic Active, Minimal

* Thyroid Gland

Follicular Cel

Hyperplasia

Minimal

Inflammation

Chronic, Minimal

Follicle

Pigmentation

Moderate

Follicular Cel

Pigmentation

Moderate

Interstitial

Pigmentation

Moderate

Note: PIGMENT TGLs = 3-5

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 198

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 1.0% 61HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 199

TRT#: 3

SEX: Male

DAY ON TEST: 448

DOSE: 1.0% 61HM

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 - Ileum	* Intestine Small - Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node - Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Prostate	* Seminal Vesicle	* Skin	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Testes	* Thymus
* Trachea			

MISSING

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

* Brain	Thalamus	Mineralization	Minimal
* Kidney		Inflammation	Chronic Active, Minimal
Note: THE MESENTERY.			
Note: WHAT THE PROSECTOR THOUGHT WAS THE KIDNEY WAS REALLY			
* Liver		Necrosis	Minimal
Note: THERE WERE ABOUT 4 MITOTIC FIGURES/250X FIELD.			
Note: HEPATOCYTES REVEALED COAGULATIVE NECROSIS.			
Note: THROUGHOUT THE LIVER. IN ADDITION OCCASIONAL INDIVIDUAL			
Note: INCREASED MITOTIC FIGURES WERE NOTED IN HEPATOCYTES			
Mesentery		Sarcoma	
Note: WHAT THE PROSECTOR THOUGHT WAS THE KIDNRY			
Note: WAS THE MESENTERY.			
Note: WHAT THE PROSECTOR THOUGHT WAS THE KIDNEY			
Note: WAS THE MESENTERY.			
Note: SARCOMA TGLs = 4-3.1+3.2			
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Thyroid Gland	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 199

TRT#: 3

SEX: Male

DAY ON TEST: 448

DOSE: 1.0% 61HM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: PIGMENT TGLs = 1-5

* Urinary Bladder

Inflammation

Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 200

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 1.0% 61HM

DISP: Terminal Sacrifice

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	* Liver	* Lymph Node - Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* 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	Marked
Note: HYPEROSTOSIS TGLs = 4-9			
* Heart		Inflammation	Chronic, Minimal
* Kidney		Inflammation	Chronic Active, Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 5-1.1]			
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
	Follicle	Inflammation	Chronic, Minimal
	Follicular Cel	Pigmentation	Mild
	Interstitialium	Pigmentation	Mild
		Pigmentation	Mild
Note: PIGMENT TGLs = 6-5			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 201	TRT#: 3 DOSE: 1.0% 61HM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO:
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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	* Liver
* Lung	* Lymph Node - Mandibular	* Lymph Node - Mesenteric	* Nose
* Pancreas	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Testes	* Thymus	* Trachea	

MISSING

* Mammary Gland	* Parathyroid Gland
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INSUFFICIENT TISSUE

* Pituitary Gland

OBSERVATIONS

* Adrenal Gland	Cortex	Hyperplasia	Minimal
* Epididymis		Inflammation	Chronic Active, Minimal
Harderian Gland		Adenoma	
Note: ADENOMA	TGLs = 8-9		
* Kidney		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Minimal
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Seminal Vesicle		Inflammation	Chronic Active, Minimal
* Skin		Inflammation	Chronic Active, Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Mild
Note: PIGMENT	TGLs = 5-5		
Tooth		Dysplasia	Mild
* Urinary Bladder		Inflammation	Chronic Active, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 201

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 1.0% 61HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 202

TRT#: 3

SEX: Male

DAY ON TEST: 405

DOSE: 1.0% 61HM

DISP: Moribund

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 - Ileum
* Intestine Small - Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node - Mandibular	* Lymph Node - Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach - Forestomach	* Stomach - Glandular	* Trachea	* Urinary Bladder

MISSING

* Gallbladder	* Mammary Gland	Mesentery	* Pituitary Gland
* Thymus			

OBSERVATIONS

* Brain	Thalamus	Mineralization	Minimal
* Kidney		Inflammation	Chronic Active, Minimal
Penis		Inflammation	Chronic Active, Moderate
Note: INFLAMMATION TGLs = 1-4			
* Skin		Inflammation	Chronic Active, Minimal
Note: INFLAMMATION TGLs = 2-3			
* Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 6-3			
* Testes	Germinal Epith	Giant Cell	Minimal
		Spermatogenic Arrest	Mild
* Thyroid Gland		Inflammation	Chronic, Minimal
	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Minimal
Note: PIGMENT TGLs = 5-5			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 203

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 1.0% 61HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Intestine Large - Cecum	* Mammary Gland	* Skin
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OBSERVATIONS

* Brain	Thalamus	Mineralization	Minimal
* Kidney		Inflammation	Chronic Active, Minimal
* Lymph Node			
Note: SEE MAMMARY GLAND.			
* Mammary Gland			
Note: WHAT APPEARED TO BE MAMMARY GLAND TO THE PROSECTOR			
Note: ACTUALLY WERE THE BILATERAL INGUINAL LYMPH NODES.			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Preputial Gland		Inflammation	Chronic Active, Marked
Note: INFLAMMATION TGLs = 4-9			
Note: THE PREPUTIAL GLAND AND THERE WERE NUMEROUS CYSTS IN THE			
Note: EXTENSIVE LYMPHOID INFILTRATES WERE VISIBLE IN AND AROUND			
Note: ADJACENT FAT.			
* Prostate		Inflammation	Chronic Active, Minimal
* Seminal Vesicle		Inflammation	Chronic Active, Minimal
* Thyroid Gland	Follicle	Cyst	Moderate
	Follicular Cel	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 203

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 1.0% 61HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Interstitial

Pigmentation

Mild

Note: PIGMENT TGLs = 5-5

* Urinary Bladder

Inflammation

Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 204

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 1.0% 61HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* 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	* Parathyroid Gland	* Pituitary Gland
* Skin	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Testes	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Bone	Joint, Tarsal	Hyperostosis	Marked
Note: HYPEROSTOSIS	TGLs = 2-9		
* Gallbladder		Inflammation	Chronic, Minimal
* Kidney		Inflammation	Chronic Active, Minimal
* Nose		Inflammation	Acute, Minimal
* Pancreas		Inflammation	Chronic, Minimal
		Vacuolization Cytoplasmic	Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Seminal Vesicle		Inflammation	Chronic Active, Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
	Follicle	Inflammation	Chronic, Minimal
	Follicular Cel	Pigmentation	Mild
	Interstitialium	Pigmentation	Mild
Note: PIGMENT	TGLs = 4-5		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 206

TRT#: 3

DOSE: 1.0% 61HM

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Adrenal Gland - Medulla	* Mammary Gland
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OBSERVATIONS

* Brain	Thalamus	Mineralization	Minimal
Note: OF WHAT APPEARS TO BE MINOR FOCAL NECROSIS. THIS DOES NOT APPEAR TO BE A COMPOUND RELATED CHANGE AND COULD EVEN REPRESENT A PECULIAR ARTEFACT.			
Note: IN A SMALL FOCAL AREA OF THE BRAIN THERE WAS EVIDENCE OF			
* Epididymis		Inflammation	Chronic Active, Minimal
* Kidney		Inflammation	Chronic Active, Minimal
* Liver		Hepatocellular Adenoma	
Preputial Gland		Inflammation	Chronic Active, Moderate
Note: INFLAMMATION TGLs = 3-9			
* Prostate		Inflammation	Chronic Active, Minimal
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
	Follicle	Inflammation	Chronic, Minimal
	Follicular Cel	Pigmentation	Moderate
	Interstitialium	Pigmentation	Moderate
Note: PIGMENT TGLs = 4-5			
Tooth		Dysplasia	Mild
* Urinary Bladder		Inflammation	Chronic Active, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 206

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 1.0% 61HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 207

TRT#: 3

SEX: Male

DAY ON TEST: 567

DOSE: 1.0% 61HM

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Bone	* Bone Marrow
* Epididymis	* 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	* Pituitary Gland	* Prostate
* Seminal Vesicle	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Testes	* Trachea	* Urinary Bladder	

MISSING

* Esophagus	* Lymph Node - Mandibular	* Mammary Gland	* Parathyroid Gland
* Thymus			

OBSERVATIONS

* Brain	Thalamus	Mineralization	Minimal
* Kidney		Inflammation	Chronic Active, Minimal
* Pancreas		Vacuolization Cytoplasmic	Mild
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC	TGLs = 3-9		
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 208

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 1.0% 61HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Medulla	* 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	* Liver	* Lymph Node - Mandibular	* Lymph Node - Mesenteric
* Nose	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach - Forestomach
* Testes	* Thymus	* Trachea	

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Gland	Cortex	Hyperplasia	Mild
* Bone	Joint, Tarsal	Hyperostosis	Marked
Note: HYPEROSTOSIS TGLs = 2-9			
* Brain	Thalamus	Mineralization	Minimal
* Kidney		Inflammation	Chronic Active, Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
* Pancreas		Inflammation	Chronic, Minimal
* Stomach	Glandular	Inflammation	Chronic, Minimal
	Glandular	Mineralization	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
	Follicle	Pigmentation	Moderate
	Follicular Cel	Pigmentation	Moderate
	Interstitium	Pigmentation	Moderate
Note: PIGMENT TGLs = 3-5			
* Urinary Bladder		Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 209

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 1.0% 61HM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Bone Marrow	* 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
* Nose	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Testes	* Trachea		

MISSING

* Lymph Node - Mesenteric	* Mammary Gland
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OBSERVATIONS

* Bone	Joint, Tarsal	Hyperostosis	Marked
Note: HYPEROSTOSIS	TGLs = 4-9		
* Brain	Thalamus	Mineralization	Minimal
* Gallbladder		Inflammation	Chronic, Minimal
* Kidney		Inflammation	Chronic Active, Minimal
	Renal Tubule	Mineralization	Minimal
* Pancreas		Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Thymus		Cyst	Minimal
* Thyroid Gland		Inflammation	Chronic, Minimal
	Follicle	Pigmentation	Moderate
	Follicular Cel	Pigmentation	Moderate
	Interstitium	Pigmentation	Moderate
Note: PIGMENT	TGLs = 2-5		
Tooth		Dysplasia	Mild
* Urinary Bladder		Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 1	TRT#: 4 DOSE: UNTREATED 61UF	SEX: Female 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	* 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	* Skin	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Thyroid Gland	* Trachea

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Moderate
* Brain	Thalamus	Mineralization	Minimal
* Kidney		Inflammation	Chronic, Minimal
* Liver		Inflammation	Chronic Active, Minimal
		Necrosis	Minimal
* Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Minimal
* Ovary		Cyst	Multiple, Moderate
<p>Note: IN WHICH SMALL NUMBERS OF NEURONS WERE VISIBLE. THE</p> <p>Note: CHANGE SHOWED SOME HISTOLOGIC SIMILARITIES TO A GANGLIO-</p> <p>Note: THERE WAS APECULIAR EOSINOPHILIC PROLIFERATIVE CHANGE</p> <p>Note: WITHIN THE STROMA OF THE OVARY CONTAINING THE CYSTS</p> <p>Note: CYST TGLs = 2-4</p> <p>Note: MEDULLA.</p> <p>Note: NEUROMA WHICH IS SOMETIMES DIAGNOSED IN THE ADRENAL</p>			
* Pancreas		Inflammation	Chronic, Minimal
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Thymus		Cyst	Minimal
* Urinary Bladder		Inflammation	Chronic, Minimal
* Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 3	TRT#: 4	SEX: Female	DAY ON TEST: 731
	DOSE: UNTREATED 61UF	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Bone	* 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	* Skin	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Thyroid Gland
* Trachea			

MISSING

* Mammary Gland	* Pituitary Gland
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OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
Note: EVIDENCE OF MYELOFIBROSIS WAS ALSO SEEN IN THE MARROW			
Note: IN THE CRANIUM.			
* Brain	Thalamus	Mineralization	Minimal
* Kidney		Inflammation	Chronic, Mild
* Liver		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Mild
* Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Minimal
* Ovary		Inflammation	Chronic, Mild
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Urinary Bladder		Inflammation	Chronic, Mild
* Uterus	Endometrium	Hyperplasia	Moderate
Note: HYPERPLASIA TGLs = 2-4			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 4	TRT#: 4	SEX: Female	DAY ON TEST: 731
	DOSE: UNTREATED 61UF	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
* Nose	* Parathyroid Gland	* Skin	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Thyroid Gland
* Trachea			

MISSING

* Mammary Gland

OBSERVATIONS

* Brain	Thalamus	Mineralization	Minimal
* Kidney		Inflammation	Chronic, Mild
* Liver		Inflammation	Chronic Active, Minimal

Note: TO THE PERIportal AREAS AND CONSISTS OF LYMPHOCYtic
Note: THE CHRONIC INFLAMMATION OBSERVED IS RELATED PRIMARILY
Note: INFILTRATES.

* Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Minimal
* Ovary		Cyst	Mild
		Inflammation	Chronic, Mild
* Pancreas		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Salivary Glands		Inflammation	Chronic Active, Mild
* Thyroid Gland			

Note: THIS ANIMAL SERVED AS AN UNTREATED CONTROL FOR EVALUATION
Note: OF THE THYROID GLANDS AND SPECIAL STAINS. IT WAS COM-
Note: PARED WITH 184F (85-1056, 1% H. C. YELLOW #4) AND 153M
Note: EVER IT WAS MUCH MORE POSITIVE IN THE THYROIDS OF THE
Note: SILVER STAIN WAS POSITIVE ON THE CONTROL THYROID, HOW-
Note: THE GIEMSA STAIN PRODUCED A UNIFORM BLUE COLLOID IN THE
Note: TREATED ANIMALS.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 4	TRT#: 4	SEX: Female	DAY ON TEST: 731
	DOSE: UNTREATED 61UF	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: (85-0744, 1% H. C. YELLOW # 4). THE FONTANA- MASSON
Note: THYROID. NO BLUE GRANULES WERE SEEN IN THE FOLLICULAR
Note: PUTER STAIN LIST.
Note: BE LOGGED IN BECAUSE THE STAIN WAS NOT ON THE COM-
Note: PERL'S IRON STAIN WAS ALSO NEGATIVE BUT COULD NOT
Note: IN THE FOLLICULAR CELLS AND THE COLLOID.
Note: IN THE FONTANA-MASSON BROWN-BLACK GRANULES COULD BE SEEN
Note: CELLS.

* Urinary Bladder		Inflammation	Chronic, Minimal
* Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 5	TRT#: 4	SEX: Female	DAY ON TEST: 731
	DOSE: UNTREATED 61UF	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	* Skin	* Spleen	* Stomach - Glandular
* Thyroid Gland	* Trachea		

MISSING

* Adrenal Gland - Medulla	* Lymph Node - Mesenteric	Mesentery	* Parathyroid Gland
* Pituitary Gland	* Stomach - Forestomach		

OBSERVATIONS

* Kidney		Inflammation	Chronic, Minimal
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Thymus		Cyst	Minimal
* Urinary Bladder		Inflammation	Chronic, Minimal
* Uterus	Endometrium	Hyperplasia	Minimal

Note: HYPERPLASIA TGLs = 2-4

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 6	TRT#: 4 DOSE: UNTREATED 61UF	SEX: Female 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	* 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	* Pancreas	* Skin	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Thyroid Gland
* Trachea			

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Kidney		Inflammation	Chronic, Minimal
* Lung			
Note: GREATER THAN NORMAL INFILTRATES OF LYMPHOCYTES IN SUB- Note: PLEURAL, PERIVASCULAR, AND PERIBRONCHIOLAR LOCATIONS.			
* Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Minimal
* Nose		Inflammation	Acute, Minimal
* Ovary		Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Salivary Glands		Inflammation	Chronic Active, Mild
* Urinary Bladder		Inflammation	Chronic, Minimal
* Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 7	TRT#: 4	SEX: Female	DAY ON TEST: 732
	DOSE: UNTREATED 61UF	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Bone	* 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
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

INSUFFICIENT TISSUE

* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Minimal
* Brain	Thalamus	Mineralization	Minimal
* Kidney		Inflammation	Chronic, Minimal
* Liver		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 5-2]			
* Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Minimal
* Ovary		Inflammation	Chronic, Minimal
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Thymus		Cyst	Minimal
* Uterus	Endometrium	Hyperplasia	Mild
		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 8	TRT#: 4 DOSE: UNTREATED 61UF	SEX: Female 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	* 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	* Mammary Gland
* Nose	* Parathyroid Gland	* Skin	* Spleen
* Stomach - Glandular	* Thyroid Gland	* Trachea	

MISSING

* Lymph Node - Mandibular	* Pituitary Gland	* Thymus
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OBSERVATIONS

* Bone Marrow		Myelofibrosis	Minimal
* Brain	Thalamus	Mineralization	Minimal
* Kidney		Inflammation	Chronic, Minimal
* Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Minimal
* Ovary		Cyst	Moderate
		Inflammation	Chronic, Mild
Note: CYST TGLs = 2-4			
* Pancreas		Inflammation	Chronic, Minimal
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Stomach	Forestomach	Inflammation	Chronic Active, Minimal
	Forestomach	Squamous Cell Papilloma	
Note: PAPILLOMA SQUA TGLs = 3-3			
* Urinary Bladder		Inflammation	Chronic, Minimal
* Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
 Test Type: CHRONIC
 Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: HC yellow 4
 CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
 Time Report Requested: 21:16:58
 First Dose M/F: NA / NA
 Lab: TSI MASON

ANIMAL ID: 9	TRT#: 4 DOSE: UNTREATED 61UF	SEX: Female 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	* 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	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Skin	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Thyroid Gland
* Trachea			

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Minimal
* Brain	Thalamus	Mineralization	Minimal
* Gallbladder		Inflammation	Chronic, Minimal
* Kidney		Inflammation	Chronic, Minimal
* Liver		Inflammation	Chronic Active, Minimal
		Necrosis	Minimal
* Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Minimal
* Ovary		Cyst	Moderate
		Inflammation	Chronic, Mild
Note: CYST TGLs = 2-4			
* Pancreas		Inflammation	Chronic, Mild
* Salivary Glands		Inflammation	Chronic Active, Mild
* Urinary Bladder		Inflammation	Chronic, Minimal
* Uterus	Endometrium	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 10	TRT#: 4 DOSE: UNTREATED 61UF	SEX: Female DISP: Dead	DAY ON TEST: 625 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 - Ileum
* Intestine Small - Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node - Mandibular	* Lymph Node - Mesenteric	* Ovary	* Pancreas
* Pituitary Gland	* Skin	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Trachea	* Uterus

MISSING

* Intestine Small - Duodenum	* Parathyroid Gland
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OBSERVATIONS

* Kidney	Inflammation	Chronic, Mild
* Mammary Gland	Adenocarcinoma	
Note: ADENOCARC TGLs = 2-9		
* Nose	Inflammation	Acute, Minimal
* Salivary Glands	Inflammation	Chronic Active, Minimal
* Thyroid Gland	Inflammation	Chronic, Minimal
* Urinary Bladder	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 12	TRT#: 4	SEX: Female	DAY ON TEST: 263
	DOSE: UNTREATED 61UF	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	* Liver
* Lung	* Lymph Node - Mandibular	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach - Forestomach	* Thyroid Gland	* Trachea
* Uterus			

MISSING

* Islets, Pancreatic	* Lymph Node - Mesenteric	Mesentery	* Pancreas
* Thymus			

AUTO PRECLUDES DIAG.

* Intestine Small - Duodenum	* Intestine Small - Ileum	* Intestine Small - Jejunum	Oviduct
* Spleen	* Stomach - Glandular	* Urinary Bladder	

OBSERVATIONS

* Kidney		Inflammation	Chronic, Mild
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PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 13

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: UNTREATED 61UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Gallbladder
* Intestine Large - Rectum
* Nose
* Spleen
* Trachea

* Adrenal Gland - Medulla
* Heart
* Intestine Small - Duodenum
* Ovary
* Stomach - Forestomach

* Bone
* Intestine Large - Cecum
* Intestine Small - Jejunum
* Parathyroid Gland
* Stomach - Glandular

* Esophagus
* Intestine Large - Colon
* Islets, Pancreatic
* Skin
* Thyroid Gland

MISSING

* Intestine Small - Ileum

* Mammary Gland

OBSERVATIONS

* Bone Marrow
* Brain
* Kidney
* Liver
* Lung
* Lymph Node

Thalamus

Mandibular
Mesenteric

Myelofibrosis
Mineralization
Lymphoma Malignant Mixed
Inflammation
Lymphoma Malignant Mixed
Lymphoma Malignant Mixed
Lymphoma Malignant Mixed

Moderate
Minimal

Chronic Active, Minimal

Note: LYMPH MAL MIXD TGLs = 6-5
Note: LYMPH MAL MIXD TGLs = 5-5

* Pancreas
* Pituitary Gland
* Salivary Glands
* Thymus
* Urinary Bladder
* Uterus

Pars Distalis

Endometrium

Inflammation
Hyperplasia
Lymphoma Malignant Mixed
Lymphoma Malignant Mixed
Lymphoma Malignant Mixed
Hyperplasia

Chronic, Minimal
Mild

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 14	TRT#: 4 DOSE: UNTREATED 61UF	SEX: Female 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	* Gallbladder
* Heart	* Intestine Large - Cecum	* Intestine Large - Rectum	* Intestine Small - Duodenum
* Intestine Small - Ileum	* Intestine Small - Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node - Mandibular	* Mammary Gland	* Pancreas	* Skin
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Trachea			

MISSING

* Esophagus	* Intestine Large - Colon	* Nose	* Parathyroid Gland
* Pituitary Gland	* Thyroid Gland		

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Brain	Thalamus	Mineralization	Minimal
* Kidney		Inflammation	Chronic, Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Minimal
* Ovary		Cyst	Moderate
Note: CYST TGLs = 2-4			
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Urinary Bladder		Inflammation	Chronic, Mild
* Uterus	Endometrium	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 15

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: UNTREATED 61UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Heart
* Intestine Small - Duodenum
* Lung
* Parathyroid Gland
* Spleen
* Thyroid Gland

* Adrenal Gland - Medulla
* Intestine Large - Cecum
* Intestine Small - Ileum
* Lymph Node - Mandibular
* Pituitary Gland
* Stomach - Forestomach
* Trachea

* Bone
* Intestine Large - Colon
* Intestine Small - Jejunum
* Mammary Gland
* Salivary Glands
* Stomach - Glandular

* Esophagus
* Intestine Large - Rectum
* Islets, Pancreatic
* Nose
* Skin
* Thymus

MISSING

* Gallbladder

OBSERVATIONS

* Bone Marrow
* Brain
* Kidney
* Liver
* Lymph Node
* Ovary
* Pancreas
* Urinary Bladder
* Uterus

Thalamus

Mesenteric

Endometrium

Myelofibrosis
Mineralization
Inflammation
Inflammation
Infiltration Cellular
Inflammation
Inflammation
Inflammation
Hyperplasia

Mild
Minimal
Chronic, Minimal
Chronic Active, Minimal
Histiocyte, Minimal
Chronic, Minimal
Chronic, Minimal
Chronic, Mild
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 17

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: UNTREATED 61UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Bone	* Esophagus
* Gallbladder	* Heart	* Intestine Large - Colon	* Intestine Small - Duodenum
* Intestine Small - Ileum	* Intestine Small - Jejunum	* Islets, Pancreatic	* Liver
* Mammary Gland	* Nose	* Parathyroid Gland	* Skin
* Stomach - Forestomach	* Stomach - Glandular	* Thyroid Gland	* Trachea

OBSERVATIONS

* Bone Marrow		Lymphoma Malignant Undifferentiated Cell Type	
* Brain	Thalamus	Mineralization	Minimal
* Intestine Large	Cecum	Lymphoma Malignant Undifferentiated Cell Type	
	Rectum	Lymphoma Malignant Undifferentiated Cell Type	
* Kidney		Lymphoma Malignant Undifferentiated Cell Type	
* Lung	Alveolar Epith	Hyperplasia	Mild
* Lymph Node	Inguinal	Lymphoma Malignant Undifferentiated Cell Type	
	Lumbar	Lymphoma Malignant Undifferentiated Cell Type	
	Mandibular	Lymphoma Malignant Undifferentiated Cell Type	
	Mediastinal	Lymphoma Malignant Undifferentiated Cell Type	
	Mesenteric	Lymphoma Malignant Undifferentiated Cell Type	
	Pancreatic	Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF	TGLs = 3-7		
Note: LYMPH MAL UNDF	TGLs = 10,11,12-6		
Note: LYMPH MAL UNDF	TGLs = 4-2+5		
Note: LYMPH MAL UNDF	TGLs = 2-5		
Note: LYMPH MAL UNDF	TGLs = 8-5		
* Ovary		Lymphoma Malignant Undifferentiated Cell Type	
* Pancreas		Lymphoma Malignant Undifferentiated Cell Type	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Salivary Glands		Lymphoma Malignant Undifferentiated Cell Type	
* Spleen		Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF	TGLs = 7-3		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 17

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: UNTREATED 61UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Lymphoma Malignant Undifferentiated Cell Type

* Urinary Bladder

Inflammation

Chronic, Mild

* Uterus

Endometrium

Hyperplasia

Moderate

Note: HYPERPLASIA TGLs = 5,6-4

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 19	TRT#: 4	SEX: Female	DAY ON TEST: 731
	DOSE: UNTREATED 61UF	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Bone	* 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	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Brain	Thalamus	Mineralization	Minimal
* Gallbladder		Inflammation	Chronic, Minimal
* Kidney		Inflammation	Chronic, Minimal
* Liver		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN TGLs = 3,4-2			
* Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Hyperplasia	Lymphoid, Moderate
* Urinary Bladder		Inflammation	Chronic, Minimal
* Uterus	Endometrium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 20

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: UNTREATED 61UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Esophagus
* Intestine Large - Rectum
* Islets, Pancreatic
* Skin
* Thyroid Gland

* Adrenal Gland - Medulla
* Heart
* Intestine Small - Duodenum
* Lung
* Stomach - Forestomach
* Trachea

* Bone
* Intestine Large - Cecum
* Intestine Small - Ileum
* Lymph Node - Mandibular
* Stomach - Glandular

* Brain
* Intestine Large - Colon
* Intestine Small - Jejunum
* Mammary Gland
* Thymus

MISSING

* Nose

* Parathyroid Gland

* Pituitary Gland

OBSERVATIONS

* Bone Marrow
* Gallbladder
* Kidney
* Liver

* Lymph Node
* Ovary
 Note: CYST TGLs = 3,4-4
* Pancreas
* Salivary Glands
* Spleen
* Urinary Bladder
* Uterus
 Note: HYPERPLASIA TGLs = 5-4.1

Mesenteric

Endometrium

Myelofibrosis
Inflammation
Inflammation
Hepatocellular Adenoma
Inflammation
Infiltration Cellular
Cyst

Inflammation
Inflammation
Hyperplasia
Inflammation
Hyperplasia

Mild
Chronic, Minimal
Chronic, Minimal

Chronic Active, Mild
Histiocyte, Minimal
Multiple, Moderate

Chronic, Mild
Chronic Active, Minimal
Lymphoid, Moderate
Chronic, Mild
Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
 Test Type: CHRONIC
 Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: HC yellow 4
 CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
 Time Report Requested: 21:16:58
 First Dose M/F: NA / NA
 Lab: TSI MASON

ANIMAL ID: 21

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: UNTREATED 61UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Bone	* 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	* Pancreas	* Pituitary Gland
* Skin	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Trachea	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Brain	Thalamus	Mineralization	Minimal
* Gallbladder		Inflammation	Chronic, Minimal
* Kidney		Inflammation	Chronic, Mild
* Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Minimal
* Ovary		Cyst	Multiple, Moderate
		Inflammation	Chronic, Minimal
Note: CYST	TGLs = 3,4-4		
* Salivary Glands		Inflammation	Chronic Active, Mild
* Urinary Bladder		Inflammation	Chronic, Minimal
* Uterus	Endometrium	Hyperplasia	Marked
Note: HYPERPLASIA	TGLs = 5-4.1		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 22

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: UNTREATED 61UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Gallbladder
* Intestine Large - Rectum
* Islets, Pancreatic
* Nose
* Spleen
* Thyroid Gland

* Adrenal Gland - Medulla
* Heart
* Intestine Small - Duodenum
* Lung
* Pancreas
* Stomach - Forestomach
* Trachea

* Bone
* Intestine Large - Cecum
* Intestine Small - Ileum
* Lymph Node - Mandibular
* Parathyroid Gland
* Stomach - Glandular

* Esophagus
* Intestine Large - Colon
* Intestine Small - Jejunum
* Mammary Gland
* Skin
* Thymus

MISSING

* Pituitary Gland

OBSERVATIONS

* Bone Marrow
* Brain
* Kidney
* Liver

Thalamus

Myelofibrosis
Mineralization
Inflammation
Hepatocellular Adenoma
Inflammation
Necrosis

Mild
Minimal
Chronic, Minimal
Chronic Active, Minimal
Minimal

Note: HEPATOCLR ADEN TGLs = 6-2

* Lymph Node
* Ovary

Mesenteric

Infiltration Cellular
Cyst
Granulosa Cell Tumor Benign

Histiocyte, Minimal
Marked

Note: CYST TGLs = 4-4

* Salivary Glands
* Urinary Bladder
* Uterus

Endometrium

Inflammation
Inflammation
Hyperplasia

Chronic Active, Mild
Chronic, Minimal
Moderate

Note: HYPERPLASIA TGLs = 5-4.1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 23

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: UNTREATED 61UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Bone	* Esophagus
* Gallbladder	* Heart	* Intestine Large - Cecum	* Intestine Large - Colon
* Intestine Large - Rectum	* Intestine Small - Duodenum	* Intestine Small - Ileum	* Intestine Small - Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node - Mandibular	* Mammary Gland
* Nose	* Pituitary Gland	* Skin	* Spleen
* Stomach - Glandular	* Thymus	* Thyroid Gland	* Trachea

MISSING

* Lymph Node - Mesenteric	* Parathyroid Gland
---------------------------	---------------------

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Brain	Thalamus	Mineralization	Minimal
* Kidney		Inflammation	Chronic, Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Ovary		Cyst	Moderate
		Inflammation	Chronic, Mild
Note: CYST	TGLs = 4,6-4		
* Pancreas		Inflammation	Chronic, Minimal
* Salivary Glands		Inflammation	Chronic Active, Mild
* Stomach	Forestomach	Inflammation	Chronic Active, Minimal
* Urinary Bladder		Inflammation	Chronic, Mild
* Uterus	Endometrium	Hyperplasia	Marked
Note: HYPERPLASIA	TGLs = 5-4.1		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 27

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: UNTREATED 61UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|------------------------------|---------------------------|-----------------------------|----------------------------|
| * Adrenal Gland - Medulla | * Bone | * 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 | * Parathyroid Gland | * Pituitary Gland | * Skin |
| * Stomach - Forestomach | * Stomach - Glandular | * Thymus | * Thyroid Gland |
| * Trachea | | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|---|-------------|--------------------------|---------------------|
| * Adrenal Gland | Cortex | Hyperplasia | Minimal |
| * Bone Marrow | | Myelofibrosis | Minimal |
| * Gallbladder | | Lymphoma Malignant Mixed | |
| * Kidney | | Lymphoma Malignant Mixed | |
| * Liver | | Lymphoma Malignant Mixed | |
| * Lung | | Lymphoma Malignant Mixed | |
| * Lymph Node | Mesenteric | Infiltration Cellular | Histiocyte, Minimal |
| | Mesenteric | Lymphoma Malignant Mixed | |
| | Renal | Lymphoma Malignant Mixed | |
| Note: LYMPH MAL MIXD TGLs = 4-3 | | | |
| * Nose | | Inflammation | Acute, Minimal |
| * Ovary | | Lymphoma Malignant Mixed | |
| * Pancreas | | Lymphoma Malignant Mixed | |
| * Salivary Glands | | Lymphoma Malignant Mixed | |
| * Spleen | | Lymphoma Malignant Mixed | |
| [Lymphoma Malignant Mixed TGLS = 3-3] | | | |
| * Urinary Bladder | | Lymphoma Malignant Mixed | |
| * Uterus | Endometrium | Hyperplasia | Moderate |
| | | Polyp Stromal | |
| Note: HYPERPLASIA TGLs = 2-4 | | | |
| Note: POLYP STROMAL TGLs = 2-4 | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 27

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: UNTREATED 61UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 28

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: UNTREATED 61UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Esophagus	* Heart	* Intestine Large - Cecum
* Intestine Large - Colon	* Intestine Large - Rectum	* Intestine Small - Duodenum	* Intestine Small - Ileum
* Intestine Small - Jejunum	* Islets, Pancreatic	* Liver	* Lymph Node - Mandibular
* Lymph Node - Mesenteric	* Nose	* Pituitary Gland	* Skin
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Trachea		

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Gland	Cortex	Hyperplasia	Minimal
	Medulla	Hyperplasia	Minimal
Note: TWO TISSUE EMBOLI WHICH RESEMBLED ADRENAL TISSUE. THE			
Note: VISIBLE IN A SMALL ARTERY ADJACENT TO THE ADRENAL WERE			
Note: SIGNIFICANCE OF THE EMBOLI IS NOT ENTIRELY CLEAR.			
* Bone Marrow		Myelofibrosis	Mild
* Brain	Thalamus	Mineralization	Minimal
* Gallbladder		Inflammation	Chronic, Minimal
* Kidney		Inflammation	Chronic, Mild
* Lung		Hemorrhage	Mild
Note: HEMORRHAGE TGLs = 2-1			
* Ovary		Cyst	Multiple, Mild
		Inflammation	Chronic, Minimal
* Pancreas		Inflammation	Chronic, Minimal
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Urinary Bladder		Inflammation	Chronic, Mild
* Uterus	Endometrium	Hyperplasia	Marked
Note: HYPERPLASIA TGLs = 3-4.1			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 29

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: UNTREATED 61UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Gallbladder
* Intestine Large - Rectum
* Islets, Pancreatic
* Parathyroid Gland
* Stomach - Glandular
* Urinary Bladder

* Adrenal Gland - Medulla
* Heart
* Intestine Small - Duodenum
* Lung
* Pituitary Gland
* Thymus

* Bone
* Intestine Large - Cecum
* Intestine Small - Ileum
* Mammary Gland
* Skin
* Thyroid Gland

* Esophagus
* Intestine Large - Colon
* Intestine Small - Jejunum
* Nose
* Stomach - Forestomach
* Trachea

MISSING

* Lymph Node - Mesenteric

INSUFFICIENT TISSUE

* Lymph Node - Mandibular

OBSERVATIONS

* Bone Marrow
* Brain
* Kidney
* Liver
* Ovary

Thalamus

Myelofibrosis
Mineralization
Inflammation
Clear Cell Focus
Cyst
Cystadenoma

Mild
Minimal
Chronic, Minimal
Minimal
Marked

Note: CYSTADENOMA TGLs = 3-4.2

Note: CYST TGLs = 4-4.2

* Pancreas
* Salivary Glands
* Spleen
* Uterus

Inflammation
Inflammation
Hyperplasia
Hyperplasia

Chronic, Minimal
Chronic Active, Minimal
Lymphoid, Marked
Marked

Note: HYPERPLASIA TGLs = 5-4.1

Endometrium

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 30

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: UNTREATED 61UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Bone	* 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	* Mammary Gland	* Nose
* Parathyroid Gland	* Skin	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Thyroid Gland	* Trachea

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Brain	Thalamus	Mineralization	Minimal
* Gallbladder		Inflammation	Chronic, Minimal
* Kidney		Inflammation	Chronic, Minimal
* Liver		Clear Cell Focus	Minimal
		Inflammation	Chronic Active, Minimal
* Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Minimal
* Ovary		Inflammation	Chronic, Minimal
* Pancreas		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Urinary Bladder		Inflammation	Chronic, Minimal
* Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 31	TRT#: 4 DOSE: UNTREATED 61UF	SEX: Female DISP: Moribund	DAY ON TEST: 533 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Bone	* Bone Marrow
* 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
* Ovary	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach - Forestomach	* Stomach - Glandular	* Uterus

MISSING

* Esophagus	* Mammary Gland	* Parathyroid Gland	* Thymus
* Thyroid Gland	* Trachea		

OBSERVATIONS

* Brain	Thalamus	Mineralization	Minimal
* Gallbladder		Inflammation	Chronic, Minimal
* Kidney		Inflammation	Chronic, Mild
* Nose		Inflammation	Acute, Minimal
Skeletal Muscle		Sarcoma	
Note: SARCOMA TGLs = 3-9+9.1			
Note: EXTENSIVE AREAS OF NECROSIS WERE NOTED IN THE SARCOMA.			
* Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 2-3			
* Urinary Bladder		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 32	TRT#: 4	SEX: Female	DAY ON TEST: 732
	DOSE: UNTREATED 61UF	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	* Liver	* Lung
* Lymph Node - Mandibular	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Skin	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Thyroid Gland	* Trachea

MISSING

* Thymus

OBSERVATIONS

* Brain	Thalamus	Mineralization	Minimal
* Kidney		Inflammation	Chronic, Mild
* Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Minimal
* Pancreas		Inflammation	Chronic, Minimal
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Urinary Bladder		Inflammation	Chronic, Mild
* Uterus	Endometrium	Hyperplasia	Mild

Note: HYPERPLASIA TGLs = 2-4

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 33

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: UNTREATED 61UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Bone	* Esophagus
* Gallbladder	* 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	* Mammary Gland
* Nose	* Pancreas	* Pituitary Gland	* Skin
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Trachea

MISSING

* Intestine Large - Colon	* Parathyroid Gland
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OBSERVATIONS

* Bone Marrow		Myelofibrosis	Minimal
* Brain	Thalamus	Mineralization	Minimal
* Kidney		Inflammation	Chronic, Minimal
* Liver		Inflammation	Chronic Active, Minimal
		Necrosis	Minimal
* Ovary		Cyst	Marked
		Inflammation	Chronic, Minimal
Note: CYST	TGLs = 1-4		
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Thymus		Cyst	Minimal
* Thyroid Gland	Follicle	Cyst	Mild
* Urinary Bladder		Inflammation	Chronic, Minimal
* Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 34

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: UNTREATED 61UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Brain	Thalamus	Mineralization	Minimal
* Kidney		Inflammation	Chronic, Minimal
Mesentery		Fibrosis	Mild
		Necrosis	Moderate
Note: FIBROSIS	TGLs = 6-2		
Note: NECROSIS	TGLs = 6-2		
* Ovary		Cyst	Mild
		Cystadenoma	
Note: CYST	TGLs = 3-4		
Note: CYSTADENOMA	TGLs = 2-4		
* Salivary Glands		Inflammation	Chronic Active, Mild
* Urinary Bladder		Inflammation	Chronic, Minimal
* Uterus	Endometrium	Hyperplasia	Moderate
Note: HYPERPLASIA	TGLs = 4-4+4.1		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 36

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: UNTREATED 61UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Gland - Cortex
- * Gallbladder
- * Intestine Large - Rectum
- * Islets, Pancreatic
- * Mammary Gland
- * Spleen
- * Thyroid Gland

- * Adrenal Gland - Medulla
- * Heart
- * Intestine Small - Duodenum
- * Liver
- * Nose
- * Stomach - Forestomach
- * Trachea

- * Bone
- * Intestine Large - Cecum
- * Intestine Small - Ileum
- * Lung
- * Parathyroid Gland
- * Stomach - Glandular
- * Uterus

- * Esophagus
- * Intestine Large - Colon
- * Intestine Small - Jejunum
- * Lymph Node - Mesenteric
- * Skin
- * Thymus

MISSING

- * Lymph Node - Mandibular

OBSERVATIONS

- * Bone Marrow
- * Brain
- * Kidney
- * Ovary
- * Pancreas
- * Pituitary Gland
- Note: ADENOMA TGLs = 2-7
- * Salivary Glands
- * Urinary Bladder

Thalamus

Pars Distalis

Myelofibrosis

Mineralization

Inflammation

Inflammation

Inflammation

Adenoma

Inflammation

Inflammation

Minimal

Minimal

Chronic, Minimal

Chronic, Minimal

Chronic, Minimal

Chronic Active, Minimal

Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 38

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: UNTREATED 61UF

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	* Lymph Node - Mandibular
* Lymph Node - Mesenteric	* Mammary Gland	* Nose	* Skin
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Thyroid Gland
* Trachea	* Uterus		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Gallbladder		Inflammation	Chronic, Minimal
* Kidney		Inflammation	Chronic, Mild
* Lung		Alveolar/Bronchiolar Carcinoma	
Note: THE CYTOLOGIC PLEOMORPHISM AND THE SUGGESTION OF TUMOR			
Note: FRAGMENTS BEING WITHIN ANGIECTATIC SPACES ALONG THE			
Note: MARGIN OF THE MASS MADE THE DIAGNOSIS OF CARCINOMA			
Note: PREFERABLE.			
Note: ALV BRON CARC TGLs = 2-1			
* Ovary		Inflammation	Chronic, Mild
* Pancreas		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 4-7			
* Salivary Glands		Inflammation	Chronic Active, Mild
* Spleen		Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 3-3			
* Urinary Bladder		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 39

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: UNTREATED 61UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Bone	* Esophagus
* Heart	* Intestine Large - Cecum	* Intestine Large - Colon	* Intestine Large - Rectum
* Intestine Small - Duodenum	* Intestine Small - Ileum	* Intestine Small - Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node - Mesenteric	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Skin
* Stomach - Glandular	* Thymus	* Thyroid Gland	* Trachea

MISSING

* Lymph Node - Mandibular

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Minimal
* Brain	Thalamus	Mineralization	Minimal
* Gallbladder		Inflammation	Chronic, Minimal
* Kidney		Inflammation	Chronic, Mild
* Liver		Fatty Change	Minimal
		Hepatocholangiocarcinoma	
Note: HEPATOCHOLCARC TGLs = 3-2			
* Pancreas		Inflammation	Chronic, Minimal
* Salivary Glands		Inflammation	Chronic Active, Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Mild
Note: HEMA CELL PROL TGLs = 2-3			
Note: HYPERPLASIA TGLs = 2-3			
* Stomach	Forestomach	Acanthosis	Minimal
	Forestomach	Hyperkeratosis	Minimal
* Urinary Bladder		Inflammation	Chronic, Mild
* Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 40

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: UNTREATED 61UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Gallbladder
* Intestine Large - Rectum
* Islets, Pancreatic
* Ovary
* Stomach - Forestomach
* Trachea

* Adrenal Gland - Medulla
* Heart
* Intestine Small - Duodenum
* Lymph Node - Mandibular
* Pancreas
* Stomach - Glandular

* Bone
* Intestine Large - Cecum
* Intestine Small - Ileum
* Lymph Node - Mesenteric
* Skin
* Thymus

* Esophagus
* Intestine Large - Colon
* Intestine Small - Jejunum
* Nose
* Spleen
* Thyroid Gland

MISSING

* Mammary Gland

* Parathyroid Gland

* Pituitary Gland

OBSERVATIONS

* Bone Marrow
* Brain
* Kidney
* Liver
* Lung
 Note: ALV BRON ADEN TGLs = 4-1
* Salivary Glands
* Urinary Bladder
* Uterus

Thalamus

Endometrium

Myelofibrosis
Mineralization
Inflammation
Inflammation
Alveolar/Bronchiolar Adenoma
Inflammation
Inflammation
Hyperplasia

Minimal
Minimal
Chronic, Minimal
Chronic Active, Minimal
Multiple
Chronic Active, Minimal
Chronic, Mild
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 44

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: UNTREATED 61UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Bone	* 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	* Parathyroid Gland	* Pituitary Gland
* Skin	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Moderate
* Brain	Thalamus	Mineralization	Minimal
* Kidney		Inflammation	Chronic, Minimal
* Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Minimal
* Pancreas		Inflammation	Chronic, Minimal
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Spleen		Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA TGLs = 1-3			
* Uterus	Endometrium	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 45

TRT#: 4

SEX: Female

DAY ON TEST: 532

DOSE: UNTREATED 61UF

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	* Heart
* Islets, Pancreatic	* Mammary Gland	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach - Forestomach	* Stomach - Glandular	* Thyroid Gland
* Trachea			

MISSING

* Thymus

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

Eye

Note: HARDERIAN GLAND ADENOCARCINOMA ACCOUNTS FOR EYE

Note: MASS.

Harderian Gland

Note: ADENOCARC TGLs = 9-9

Adenocarcinoma

* Kidney

Inflammation

Chronic, Minimal

* Liver

Lymphoma Malignant Histiocytic

Note: LYMPH MAL HIST TGLs = 10-2

* Lung

Adenocarcinoma

Metastatic (Harderian Gland)

[Adenocarcinoma TGLs = 3-1]

* Lymph Node

Mandibular

Adenocarcinoma

Metastatic (Harderian Gland)

Mesenteric

Lymphoma Malignant Histiocytic

Note: ADENOCARC TGLs = 2-5

* Nose

Inflammation

Acute, Minimal

* Ovary

Lymphoma Malignant Histiocytic

Note: LYMPH MAL HIST TGLs = 6,8-4.1

Note: NO OBVIOUS OVARIAN TISSUE COULD BE SEEN; HOWEVER, THIS

Note: SAMPLE WAS TAKEN FROM THE AREA OF THE OVARIES.

* Pancreas

Lymphoma Malignant Histiocytic

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 45	TRT#: 4	SEX: Female	DAY ON TEST: 532
	DOSE: UNTREATED 61UF	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST	TGLs = 5-4		
Tooth		Lymphoma Malignant Histiocytic	
* Urinary Bladder		Inflammation	Chronic, Minimal
* Uterus		Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST	TGLs = 7-4.1		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 46

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: UNTREATED 61UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Gallbladder
* Intestine Large - Rectum
* Islets, Pancreatic
* Ovary
* Spleen
* Trachea

* Adrenal Gland - Medulla
* Heart
* Intestine Small - Duodenum
* Liver
* Parathyroid Gland
* Stomach - Glandular

* Bone
* Intestine Large - Cecum
* Intestine Small - Ileum
* Lung
* Pituitary Gland
* Thymus

* Esophagus
* Intestine Large - Colon
* Intestine Small - Jejunum
* Lymph Node - Mandibular
* Skin
* Thyroid Gland

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow
* Brain
* Kidney
* Lymph Node
* Nose
* Pancreas
* Salivary Glands
* Stomach
 Note: PAPILLOMA SQUA TGLs = 3-3
* Urinary Bladder
* Uterus
 Note: THROMBUS TGLs = 2-4

Thalamus
Mesenteric
Forestomach
Endometrium
Endometrium

Myelofibrosis
Mineralization
Inflammation
Infiltration Cellular
Inflammation
Inflammation
Inflammation
Squamous Cell Papilloma
Inflammation
Hyperplasia
Thrombosis

Mild
Minimal
Chronic, Minimal
Histiocyte, Minimal
Acute, Minimal
Chronic, Minimal
Chronic Active, Mild
Chronic, Minimal
Mild
Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 48

TRT#: 4

SEX: Female

DAY ON TEST: 463

DOSE: UNTREATED 61UF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Brain
* Intestine Large - Cecum
* Intestine Small - Ileum
* Lung
* Nose
* Spleen
* Trachea

* Adrenal Gland - Medulla
* Esophagus
* Intestine Large - Colon
* Intestine Small - Jejunum
* Lymph Node - Mandibular
* Ovary
* Stomach - Forestomach
* Uterus

* Bone
* Gallbladder
* Intestine Large - Rectum
* Islets, Pancreatic
* Lymph Node - Mesenteric
* Parathyroid Gland
* Stomach - Glandular

* Bone Marrow
* Heart
* Intestine Small - Duodenum
* Liver
* Mammary Gland
* Skin
* Thyroid Gland

MISSING

Mesentery

* Thymus

OBSERVATIONS

* Kidney
* Pancreas
* Pituitary Gland
 Note: ADENOMA TGLs = 8-7
* Salivary Glands
* Urinary Bladder

Pars Distalis

Inflammation
Inflammation
Adenoma

Chronic, Minimal
Chronic, Minimal

Inflammation
Inflammation

Chronic Active, Minimal
Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 49

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: UNTREATED 61UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Bone	* Esophagus
* Heart	* Intestine Large - Colon	* Intestine Large - Rectum	* Intestine Small - Duodenum
* Intestine Small - Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node - Mandibular	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Skin	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Trachea	

MISSING

* Gallbladder	* Intestine Large - Cecum	* Intestine Small - Ileum	* Lymph Node - Mesenteric
* Mammary Gland	* Nose		

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Brain	Thalamus	Mineralization	Minimal
* Kidney		Inflammation	Chronic, Minimal
* Ovary		Inflammation	Chronic, Mild
* Salivary Glands		Inflammation	Chronic Active, Mild
* Urinary Bladder		Inflammation	Chronic, Minimal
* Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 50

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: UNTREATED 61UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Gallbladder
* Intestine Small - Duodenum
* Kidney
* Ovary
* Salivary Glands
* Thymus

* Adrenal Gland - Medulla
* Heart
* Intestine Small - Ileum
* Liver
* Pancreas
* Skin
* Thyroid Gland

* Bone
* Intestine Large - Cecum
* Intestine Small - Jejunum
* Lung
* Parathyroid Gland
* Stomach - Forestomach
* Trachea

* Bone Marrow
* Intestine Large - Rectum
* Islets, Pancreatic
* Nose
* Pituitary Gland
* Stomach - Glandular

MISSING

* Esophagus

* Intestine Large - Colon

* Mammary Gland

OBSERVATIONS

* Brain
* Lymph Node

Note: LYMPH MAL MIXD TGLs = 2-5
Note: LYMPH MAL MIXD TGLs = 5-5.1
* Spleen
Note: LYMPH MAL MIXD TGLs = 3,4-3
* Urinary Bladder
* Uterus
Note: ENDOMETRIOSIS TGLs = 5-4

Thalamus
Mandibular
Mesenteric

Mineralization
Lymphoma Malignant Mixed
Lymphoma Malignant Mixed

Lymphoma Malignant Mixed

Inflammation
Endometriosis

Minimal

Chronic, Minimal
Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 51

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: UNTREATED 61UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Bone	* 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
* Parathyroid Gland	* Skin	* Stomach - Forestomach	* Stomach - Glandular
* Thyroid Gland	* Trachea		

MISSING

* Lymph Node - Mandibular	* Thymus
---------------------------	----------

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Brain	Thalamus	Mineralization	Minimal
* Kidney		Inflammation	Chronic, Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Minimal
* Ovary		Cyst	Mild
* Pancreas		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 2-3			
* Urinary Bladder		Inflammation	Chronic, Mild
* Uterus	Endometrium	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 54

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: UNTREATED 61UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Esophagus
* Intestine Large - Rectum
* Islets, Pancreatic
* Ovary
* Stomach - Glandular

* Adrenal Gland - Medulla
* Heart
* Intestine Small - Duodenum
* Lymph Node - Mandibular
* Pancreas
* Thymus

* Bone
* Intestine Large - Cecum
* Intestine Small - Ileum
* Lymph Node - Mesenteric
* Parathyroid Gland
* Thyroid Gland

* Brain
* Intestine Large - Colon
* Intestine Small - Jejunum
* Nose
* Skin
* Trachea

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow
* Gallbladder
* Kidney
* Liver
* Lung

Myelofibrosis
Inflammation
Inflammation
Inflammation
Hemorrhage

Minimal
Chronic, Minimal
Chronic, Minimal
Chronic Active, Mild
Minimal

Note: THE MINOR HEMORRHAGE IN THE LUNG PROBABLY REPRESENTS

* Pituitary Gland
* Salivary Glands
* Spleen
* Stomach

Pars Distalis

Forestomach

Hyperplasia
Inflammation
Hyperplasia
Squamous Cell Papilloma

Minimal
Chronic Active, Minimal
Lymphoid, Mild

Note: PAPILLOMA SQUA TGLs = 4-3

* Urinary Bladder
* Uterus

Endometrium

Inflammation
Hyperplasia

Chronic, Minimal
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 55

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: UNTREATED 61UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Kidney		Inflammation	Chronic, Minimal
* Liver		Inflammation	Chronic Active, Mild
Mesentery		Inflammation	Chronic Active, Moderate
* Nose			
Note: MYELOFIBROSIS WAS ALSO PROMINENT IN THE MARROW OF THE			
Note: SKULL.			
* Ovary		Cyst	Mild
* Pancreas		Inflammation	Chronic, Minimal
* Spleen		Hyperplasia	Lymphoid, Minimal
* Urinary Bladder		Inflammation	Chronic, Minimal
* Uterus	Endometrium	Hyperplasia	Moderate
Note: HYPERPLASIA TGLs = 2-4			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
 Test Type: CHRONIC
 Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: HC yellow 4
 CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
 Time Report Requested: 21:16:58
 First Dose M/F: NA / NA
 Lab: TSI MASON

ANIMAL ID: 57

TRT#: 4

SEX: Female

DAY ON TEST: 466

DOSE: UNTREATED 61UF

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------|-------------------------|----------------------------|
| * Adrenal Gland - Medulla | * Bone | * Esophagus | * Intestine Large - Rectum |
| * Islets, Pancreatic | * Mammary Gland | * Nose | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Stomach - Forestomach | * Stomach - Glandular |
| * Thyroid Gland | * Trachea | | |

AUTO PRECLUDES DIAG.

- | | | | |
|---------------------------|-----------------------------|---------------------------|------------------------------|
| * Gallbladder | * Intestine Large - Cecum | * Intestine Large - Colon | * Intestine Small - Duodenum |
| * Intestine Small - Ileum | * Intestine Small - Jejunum | * Pancreas | * Urinary Bladder |

OBSERVATIONS

- | | | |
|-----------------------------------|------------|---|
| * Adrenal Gland | Cortex | Lymphoma Malignant Lymphocytic |
| * Bone Marrow | | Lymphoma Malignant Lymphocytic |
| * Brain | | Lymphoma Malignant Lymphocytic |
| * Heart | | Lymphoma Malignant Lymphocytic |
| * Kidney | | Lymphoma Malignant Lymphocytic |
| * Liver | | Lymphoma Malignant Lymphocytic |
| Note: LYMPH MAL LYMP TGLs = 9-2 | | |
| * Lung | | Lymphoma Malignant Lymphocytic |
| * Lymph Node | Mandibular | Lymphoma Malignant Lymphocytic |
| | Mesenteric | Lymphoma Malignant Lymphocytic |
| Note: LYMPH MAL LYMP TGLs = 7-5 | | |
| * Ovary | | Lymphoma Malignant Lymphocytic |
| Skeletal Muscle | | Lymphoma Malignant Lymphocytic |
| * Spleen | | Lymphoma Malignant Undifferentiated Cell Type |
| Note: LYMPH MAL UNDF TGLs = 4,5-3 | | |
| * Thymus | | Lymphoma Malignant Lymphocytic |
| Note: LYMPH MAL LYMP TGLs = 2-5.1 | | |
| Tooth | | Lymphoma Malignant Lymphocytic |
| * Uterus | | Lymphoma Malignant Lymphocytic |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 58

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: UNTREATED 61UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Gland - Cortex
- * Gallbladder
- * Intestine Large - Rectum
- * Islets, Pancreatic
- * Parathyroid Gland
- * Thymus

- * Adrenal Gland - Medulla
- * Heart
- * Intestine Small - Duodenum
- * Lung
- * Pituitary Gland
- * Thyroid Gland

- * Bone
- * Intestine Large - Cecum
- * Intestine Small - Ileum
- * Lymph Node - Mandibular
- * Skin
- * Trachea

- * Esophagus
- * Intestine Large - Colon
- * Intestine Small - Jejunum
- * Mammary Gland
- * Stomach - Glandular

OBSERVATIONS

- * Bone Marrow
- * Brain
- * Kidney
- * Liver

Thalamus

- Myelofibrosis
- Mineralization
- Inflammation
- Hepatocellular Adenoma

- Minimal
- Minimal
- Chronic, Minimal

Note: HEPATOCLR ADEN TGLs = 2-2

- * Lymph Node
- * Nose
- * Ovary
- * Pancreas
- * Salivary Glands
- * Spleen
- * Stomach
- * Urinary Bladder
- * Uterus

Mesenteric

- Infiltration Cellular
- Inflammation
- Inflammation
- Inflammation
- Inflammation
- Hematopoietic Cell Proliferation
- Inflammation
- Inflammation
- Hyperplasia

- Histiocyte, Minimal
- Acute, Minimal
- Chronic, Mild
- Chronic, Minimal
- Chronic Active, Minimal
- Mild
- Chronic Active, Minimal
- Chronic, Minimal
- Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 59

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: UNTREATED 61UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Bone	* 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	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Skin
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Thyroid Gland
* Trachea			

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Brain	Thalamus	Mineralization	Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Inflammation	Chronic, Minimal
* Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Minimal
* Ovary		Cyst	Minimal
* Pancreas		Inflammation	Chronic, Minimal
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
Note: HEMA CELL PROL TGLs = 2-3			
* Urinary Bladder		Inflammation	Chronic, Mild
* Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 60

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: UNTREATED 61UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Esophagus
* Intestine Large - Colon
* Intestine Small - Jejunum
* Lymph Node - Mandibular
* Parathyroid Gland
* Stomach - Forestomach
* Trachea

* Adrenal Gland - Medulla
* Gallbladder
* Intestine Large - Rectum
* Islets, Pancreatic
* Nose
* Pituitary Gland
* Stomach - Glandular

* Bone
* Heart
* Intestine Small - Duodenum
* Liver
* Ovary
* Skin
* Thymus

* Brain
* Intestine Large - Cecum
* Intestine Small - Ileum
* Lung
* Pancreas
* Spleen
* Thyroid Gland

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow
Harderian Gland
Note: ADENOMA TGLs = 3-9
* Kidney
* Lymph Node
* Salivary Glands
* Urinary Bladder
* Uterus
Note: HYPERPLASIA TGLs = 2-4

Mesenteric
Endometrium

Myelofibrosis
Adenoma
Inflammation
Infiltration Cellular
Inflammation
Inflammation
Hyperplasia

Mild
Chronic, Mild
Histiocyte, Minimal
Chronic Active, Minimal
Chronic, Minimal
Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
 Test Type: CHRONIC
 Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: HC yellow 4
 CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
 Time Report Requested: 21:16:58
 First Dose M/F: NA / NA
 Lab: TSI MASON

ANIMAL ID: 61	TRT#: 4 DOSE: UNTREATED 61UF	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Bone	* Esophagus
* Gallbladder	* Heart	* Intestine Large - Cecum	* Intestine Large - Colon
* Intestine Large - Rectum	* Intestine Small - Duodenum	* Intestine Small - Ileum	* Intestine Small - Jejunum
* Islets, Pancreatic	* Lymph Node - Mandibular	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Skin	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Thyroid Gland	* Trachea

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Minimal
* Brain	Thalamus	Mineralization	Minimal
* Kidney		Inflammation	Chronic, Minimal
* Liver		Fatty Change	Minimal
* Lung		Hemorrhage	Minimal
* Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Minimal
* Pancreas		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2-7			
* Salivary Glands		Inflammation	Chronic, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Urinary Bladder		Inflammation	Chronic, Mild
* Uterus	Endometrium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 62

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: UNTREATED 61UF

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	* Liver	* Lung
* Lymph Node - Mandibular	* Nose	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Skin	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Trachea	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Gland	Cortex	Hyperplasia	Minimal
* Kidney		Inflammation	Chronic, Mild
* Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Minimal
* Pancreas		Inflammation	Chronic, Minimal
* Salivary Glands		Inflammation	Chronic, Minimal
* Spleen		Hyperplasia	Lymphoid, Minimal
* Urinary Bladder		Inflammation	Chronic, Mild
* Uterus	Endometrium	Hyperplasia	Moderate

Note: HYPERPLASIA TGLs = 2-4

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 64

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: UNTREATED 61UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Bone	* 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	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Skin
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thyroid Gland
* Trachea			

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Minimal
* Brain	Thalamus	Mineralization	Minimal
* Kidney		Inflammation	Chronic, Minimal
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
[Alveolar/Bronchiolar Adenoma TGLS = 4,5-1]			
* Lymph Node	Mesenteric	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 3-5			
* Nose		Inflammation	Acute, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Salivary Glands		Inflammation	Chronic, Minimal
* Thymus		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 2-5			
* Urinary Bladder		Inflammation	Chronic, Minimal
* Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 65

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: UNTREATED 61UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Moderate
* Kidney		Inflammation	Chronic, Minimal
* Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Minimal
* Ovary		Cyst	Minimal
* Urinary Bladder		Inflammation	Chronic, Mild
* Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 68

TRT#: 4

SEX: Female

DAY ON TEST: 732

DOSE: UNTREATED 61UF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Bone	* 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	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Thyroid Gland	* Trachea

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Minimal
* Brain	Thalamus	Mineralization	Minimal
* Kidney		Inflammation	Chronic, Minimal
* Liver		Inflammation	Chronic Active, Minimal
Note: 82			
* Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 2-1			
* Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Minimal
* Nose		Inflammation	Acute, Minimal
* Ovary		Cyst	Marked
Note: CYST TGLs = 1-4			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hyperplasia	Lymphoid, Minimal
* Urinary Bladder		Inflammation	Chronic, Mild
* Uterus	Endometrium	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 70	TRT#: 4 DOSE: UNTREATED 61UF	SEX: Female DISP: Moribund	DAY ON TEST: 634 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	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Skin	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Thyroid Gland	* Trachea	

MISSING

- * Mammary Gland

OBSERVATIONS

* Kidney		Inflammation	Chronic, Minimal
* Liver		Hemangioma	
Note: HEMANGIOMA TGLs = 2-2			
* Lymph Node	Mesenteric	Lymphoma Malignant Mixed	
Note: REPRESENT EARLY LYMPHOMA.			
Note: THE CHANGES IN THE MESENTERIC LYMPH NODE WOULD APPEAR TO			
* Pancreas		Inflammation	Chronic, Minimal
* Salivary Glands		Inflammation	Chronic, Minimal
* Spleen		Hyperplasia	Lymphoid, Mild
* Urinary Bladder		Inflammation	Chronic, Minimal
* Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 71	TRT#: 5 DOSE: 0.5% 61LF	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Small - Ileum	Skin	Spleen	Thymus
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OBSERVATIONS

Bone	Joint, Tarsal	Hyperostosis	Moderate
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Note: THE SYNOVIUM.

Note: FLAMMATION IN THE ADJACENT TISSUES AND PROLIFERATION OF

Note: HYPEROSTOSIS TGLs = 3-9

* Ovary

Note: CYST TGLs = 6-4

Cyst

Mild

* Thyroid Gland

Follicle

Pigmentation

Minimal

Follicular Cel

Pigmentation

Mild

Interstitium

Pigmentation

Minimal

[Pigmentation TGLS = 5-5]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 72	TRT#: 5 DOSE: 0.5% 61LF	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Small - Duodenum Thymus	Intestine Small - Ileum	Intestine Small - Jejunum	Skin
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OBSERVATIONS

* Ovary Note: CYST TGLs = 5-4		Cyst	Marked
* Thyroid Gland	Follicle Follicular Cel Interstitium	Pigmentation Pigmentation Pigmentation	Minimal Minimal Minimal
[Pigmentation TGLS = 4-5]			
Uterus Note: HYPERPLASIA TGLs = 6-4	Endometrium	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 73	TRT#: 5	SEX: Female	DAY ON TEST: 730
	DOSE: 0.5% 61LF	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

OBSERVATIONS

Lymph Node	Renal	Hyperplasia	Lymphoid, Mild
	Mesenteric	Infiltration Cellular	Histiocyte, Minimal
Note: HYPERPLASIA TGLs = 7-2			
* Ovary		Cyst	Mild
		Hemorrhage	Mild
Spleen		Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA TGLs = 5-3			
* Thyroid Gland	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Minimal
	Interstitium	Pigmentation	Minimal
[Pigmentation TGLS = 3-5]			
Uterus	Endometrium	Hyperplasia	Moderate
Note: HYPERPLASIA TGLs = 4-4			

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 74	TRT#: 5 DOSE: 0.5% 61LF	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Ovary	Skin	Uterus
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OBSERVATIONS

Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Minimal
* Thyroid Gland		Inflammation	Chronic, Minimal
	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Minimal
	Interstitium	Pigmentation	Minimal

[Pigmentation TGLS = 3-5]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 75

TRT#: 5

SEX: Female

DAY ON TEST: 592

DOSE: 0.5% 61LF

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	Mammary Gland	Nose	Pancreas
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder	Uterus	

MISSING

Lymph Node - Mesenteric	Parathyroid Gland	Pituitary Gland	Thymus
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OBSERVATIONS

Brain	Thalamus	Mineralization	Minimal
Kidney		Inflammation	Chronic, Mild
* Ovary		Cyst	Mild
		Inflammation	Chronic, Mild
Note: INFLAMMATION TGLs = 3-4			
Note: CYST TGLs = 3-4			
Skeletal Muscle		Hemangiosarcoma	
Note: FOCAL AREAS OF OSSEOUS METAPLASIA AND MARKED HEMORRHAGE			
Note: AND NECROSIS WERE NOTED WITHIN THE TUMOR.			
[Hemangiosarcoma TGLs = 5-9]			
Spleen		Hemangiosarcoma	Metastatic (Skeletal Muscle)
		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland		Inflammation	Chronic, Minimal
	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 76	TRT#: 5	SEX: Female	DAY ON TEST: 730
	DOSE: 0.5% 61LF	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

OBSERVATIONS

Liver		Hepatocellular Adenoma	Multiple
Note: HEPATOCLR ADEN	TGLs = 5,6-2+2.1		
* Ovary		Cyst	Moderate
		Hemorrhage	Mild
Note: HEMORRHAGE	TGLs = 4-4		
* Thyroid Gland	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Minimal
	Interstitium	Pigmentation	Minimal
[Pigmentation TGLS = 3-5]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 77	TRT#: 5 DOSE: 0.5% 61LF	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Ovary	Skin	Spleen
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MISSING

Lymph Node

OBSERVATIONS

* Thyroid Gland	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Minimal
	Interstitium	Pigmentation	Minimal

[Pigmentation TGLS = 4-5]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 78

TRT#: 5
DOSE: 0.5% 61LF

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

OBSERVATIONS

Lymph Node	Pancreatic Renal	Lymphoma Malignant Mixed Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 5-5			
Note: LYMPH MAL MIXD TGLs = 6-2			
* Ovary		Cyst	Multiple, Mild
Spleen		Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA TGLs = 4-3			
* Thyroid Gland	Follicular Cel Follicle Follicular Cel Interstitium	Hyperplasia Pigmentation Pigmentation Pigmentation	Minimal Minimal Mild Minimal
[Pigmentation TGLS = 3-5]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 79 TRT#: 5 SEX: Female DAY ON TEST: 704
DOSE: 0.5% 61LF DISP: Moribund HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

OBSERVATIONS

Kidney		Inflammation	Chronic, Minimal
Liver		Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF	TGLs = 10-2		
Lymph Node		Lymphoma Malignant Undifferentiated Cell Type	
		Lymphoma Malignant Undifferentiated Cell Type	
		Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF	TGLs = 11-3		
Note: LYMPH MAL UNDF	TGLs = 12-2		
Note: LYMPH MAL UNDF	TGLs = 8-5.1		
* Ovary		Cyst	Minimal
		Hemorrhage	Mild
Spleen		Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF	TGLs = 7-3.1		
Thymus		Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF	TGLs = 5-5		
* Thyroid Gland		Follicle	Minimal
		Follicular Cel	Minimal
		Interstitialium	Minimal
		Pigmentation	Minimal
		Pigmentation	Minimal
		Pigmentation	Minimal

[Pigmentation TGLS = 6-5]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 81	TRT#: 5 DOSE: 0.5% 61LF	SEX: Female DISP: Moribund	DAY ON TEST: 676 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Skin	Stomach - Forestomach	Stomach - Glandular	Uterus

MISSING			
* Ovary			

OBSERVATIONS			
Spleen Note: HEMA CELL PROL TGLs = 6-3		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Minimal
	Interstitium	Pigmentation	Minimal
[Pigmentation TGLS = 3-5]			

PRIMARY CAUSE OF DEATH	-		
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 82	TRT#: 5	SEX: Female	DAY ON TEST: 730
	DOSE: 0.5% 61LF	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Ovary Skin

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Lymph Node	Mediastinal	Lymphoma Malignant Undifferentiated Cell Type	
	Mesenteric	Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF	TGLs = 7-5		
Note: LYMPH MAL UNDF	TGLs = 4-5		
Spleen		Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF	TGLs = 6-3		
* Thyroid Gland	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Minimal
	Interstitium	Pigmentation	Minimal
[Pigmentation TGLS = 9-5]			
Uterus	Endometrium	Hyperplasia	Moderate
		Polyp Stromal	
Note: HYPERPLASIA	TGLs = 5-4		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
 Test Type: CHRONIC
 Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: HC yellow 4
 CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
 Time Report Requested: 21:16:58
 First Dose M/F: NA / NA
 Lab: TSI MASON

ANIMAL ID: 83	TRT#: 5 DOSE: 0.5% 61LF	SEX: Female DISP: Moribund	DAY ON TEST: 718 HISTO:
OBSERVATIONS			
Brain Note: LYMPH MAL LYMP TGLs = 8-4		Lymphoma Malignant Lymphocytic	
Liver Note: NECROSIS TGLs = 7-2 Note: LYMPH MAL LYMP TGLs = 7-2		Lymphoma Malignant Lymphocytic Necrosis	Mild
Lung Note: LYMPH MAL LYMP TGLs = 2-1		Lymphoma Malignant Lymphocytic	
Lymph Node Note: LYMPH MAL LYMP TGLs = 6-5	Pancreatic	Lymphoma Malignant Lymphocytic	
* Ovary		Cyst	Minimal
Spleen Note: LYMPH MAL LYMP TGLs = 4,5-3		Lymphoma Malignant Lymphocytic	
Stomach Note: PAPILLOMA SQUA TGLs = 9-3	Forestomach	Squamous Cell Papilloma	
* Thyroid Gland		Lymphoma Malignant Lymphocytic	
	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Minimal
	Interstitium	Pigmentation	Minimal
[Pigmentation TGLS = 3-5]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 85	TRT#: 5	SEX: Female	DAY ON TEST: 730
	DOSE: 0.5% 61LF	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Ovary Skin

OBSERVATIONS

Harderian Gland			Adenoma	
Note: ADENOMA	TGLs = 4-9			
* Thyroid Gland		Follicle	Pigmentation	Minimal
		Follicular Cel	Pigmentation	Minimal
		Interstitium	Pigmentation	Minimal
Note: PIGMENT	TGLs = 3-5			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 88	TRT#: 5	SEX: Female	DAY ON TEST: 730
	DOSE: 0.5% 61LF	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin	Stomach - Forestomach	Stomach - Glandular	Uterus
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MISSING

* Thyroid Gland

OBSERVATIONS

Lung	Alveolar/Bronchiolar Adenoma
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[Alveolar/Bronchiolar Adenoma TGLS = 7-1.1]

* Ovary	Cyst	Minimal
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 89	TRT#: 5	SEX: Female	DAY ON TEST: 730
	DOSE: 0.5% 61LF	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Ovary

OBSERVATIONS

Intestine Small Note: LYMPH MAL MIXD TGLs = 3-6.1	Ileum	Lymphoma Malignant Mixed	
Lymph Node Note: LYMPH MAL MIXD TGLs = 5-5	Mesenteric	Lymphoma Malignant Mixed	
Spleen Note: LYMPH MAL MIXD TGLs = 2-3.1		Lymphoma Malignant Mixed	
* Thyroid Gland Note: PIGMENT TGLs = 4-5	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 90	TRT#: 5 DOSE: 0.5% 61LF	SEX: Female DISP: Dead	DAY ON TEST: 664 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Heart	Lymph Node - Mandibular	Skin	
OBSERVATIONS			
Brain		Gliosis	Mild
Liver		Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST	TGLs = 6-2		
* Ovary		Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST	TGLs = 4-4		
* Thyroid Gland	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Minimal
	Interstitium	Pigmentation	Minimal
	[Pigmentation TGLS = 8-5]		
Urinary Bladder		Inflammation	Chronic, Mild
Uterus		Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST	TGLs = 5-4		
PRIMARY CAUSE OF DEATH			
	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 92	TRT#: 5 DOSE: 0.5% 61LF	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	* Ovary	Skin	Uterus
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OBSERVATIONS

* Thyroid Gland	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Marked
	Interstitialium	Pigmentation	Minimal

[Pigmentation TGLS = 4-5]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 95	TRT#: 5	SEX: Female	DAY ON TEST: 730
	DOSE: 0.5% 61LF	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Ovary Skin

OBSERVATIONS

Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN	TGLs = 4-2		
* Thyroid Gland	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Minimal
	Interstitium	Pigmentation	Minimal
[Pigmentation TGLS = 3-5]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 96	TRT#: 5 DOSE: 0.5% 61LF	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

MISSING

* Ovary

OBSERVATIONS

Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN	TGLs = 4-2		
* Thyroid Gland	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Minimal
	Interstitium	Pigmentation	Minimal
[Pigmentation TGLS = 5-5]			
Uterus	Endometrium	Hyperplasia	Moderate
Note: HYPERPLASIA	TGLs = 3-4		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 99

TRT#: 5

DOSE: 0.5% 61LF

SEX: Female

DISP: Moribund

DAY ON TEST: 647

HISTO:

OBSERVATIONS

Lymph Node

Axillary
Lumbar
Mandibular
Mesenteric
Pancreatic
Renal

Lymphoma Malignant Lymphocytic
Lymphoma Malignant Lymphocytic
Lymphoma Malignant Lymphocytic
Lymphoma Malignant Lymphocytic
Lymphoma Malignant Lymphocytic
Lymphoma Malignant Lymphocytic

Note: LYMPH MAL LYMP TGLs = 3-5
Note: LYMPH MAL LYMP TGLs = 12-3.1
Note: LYMPH MAL LYMP TGLs = 4-3
Note: LYMPH MAL LYMP TGLs = 14-2
Note: LYMPH MAL LYMP TGLs = 13-9

[Lymphoma Malignant Lymphocytic TGLS = 11-3.1]

* Ovary

Note: LYMPH MAL LYMP TGLs = 9-4

Lymphoma Malignant Lymphocytic

Skin

Lymphoma Malignant Lymphocytic

Spleen

Lymphoma Malignant Lymphocytic

Note: LYMPH MAL LYMP TGLs = 10-3.1

Thymus

Lymphoma Malignant Lymphocytic

Note: LYMPH MAL LYMP TGLs = 7-5

* Thyroid Gland

Lymphoma Malignant Lymphocytic

Follicle
Follicular Cel
Interstitium

Pigmentation
Pigmentation
Pigmentation

Minimal
Minimal
Minimal

Note: PIGMENT TGLs = 6-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 101

TRT#: 5
DOSE: 0.5% 61LF

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Small - Duodenum

Intestine Small - Jejunum

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Intestine Small

Ileum

Lymphoma Malignant Undifferentiated Cell Type

Note: LYMPH MAL UNDF TGLs = 9-6.1

Lymph Node

Mediastinal
Mesenteric

Lymphoma Malignant Undifferentiated Cell Type
Lymphoma Malignant Undifferentiated Cell Type

Note: LYMPH MAL UNDF TGLs = 8-5.1

Note: LYMPH MAL UNDF TGLs = 3-5

* Ovary

Cyst

Multiple, Mild

Note: CYST TGLs = 5-4

Spleen

Lymphoma Malignant Undifferentiated Cell Type

Note: LYMPH MAL UNDF TGLs = 7-3

* Thyroid Gland

Follicle
Follicular Cel
Interstitium

Pigmentation
Pigmentation
Pigmentation

Minimal
Mild
Minimal

[Pigmentation TGLS = 4-5]

Uterus

Endometrium

Hyperplasia

Mild

Note: HYPERPLASIA TGLs = 6-4

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 104

TRT#: 5

DOSE: 0.5% 61LF

SEX: Female

DISP: Moribund

DAY ON TEST: 688

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Small - Duodenum

* Ovary

Skin

OBSERVATIONS

Intestine Small

Ileum

Lymphoma Malignant Undifferentiated Cell Type

Jejunum

Lymphoma Malignant Undifferentiated Cell Type

Note: LYMPH MAL UNDF TGLs = 7-6

Liver

Lymphoma Malignant Undifferentiated Cell Type

Note: LYMPH MAL UNDF TGLs = 9-2

Lymph Node

Lumbar

Lymphoma Malignant Undifferentiated Cell Type

Mesenteric

Lymphoma Malignant Undifferentiated Cell Type

Note: LYMPH MAL UNDF TGLs = 11-10

Note: LYMPH MAL UNDF TGLs = 8-5

Note: ENLARGED LYMPH NODES WERE LUMBAR NOT RENAL.

Mammary Gland

Adenocarcinoma

Note: ADENOCARC TGLs = 4-9

Spleen

Lymphoma Malignant Undifferentiated Cell Type

Note: LYMPH MAL UNDF TGLs = 6-3

* Thyroid Gland

Follicle

Pigmentation

Minimal

Follicular Cel

Pigmentation

Minimal

Interstitium

Pigmentation

Minimal

[Pigmentation TGLS = 5-5]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 105

TRT#: 5
DOSE: 0.5% 61LF

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

MISSING

Skin

OBSERVATIONS

Liver Hepatocellular Adenoma

Note: HEPATOCLR ADEN TGLs = 5-2

* Ovary

Cyst Mild

Hemorrhage Mild

* Thyroid Gland

Follicle Pigmentation Minimal

Follicular Cel Pigmentation Minimal

Interstitium Pigmentation Minimal

[Pigmentation TGLS = 3-5]

Uterus Endometrium Hyperplasia Moderate

Note: HYPERPLASIA TGLs = 4-4

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 106

TRT#: 5
DOSE: 0.5% 61LF

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Ovary Skin

OBSERVATIONS

* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Minimal
	Interstitium	Pigmentation	Minimal

[Pigmentation TGLS = 3-5]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 107

TRT#: 5
DOSE: 0.5% 61LF

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

OBSERVATIONS

* Ovary

Cyst
Hemorrhage

Mild
Mild

Note: CYST TGLs = 3-4

* Thyroid Gland

Follicle
Follicular Cel
Interstitium

Pigmentation
Pigmentation
Pigmentation

Minimal
Minimal
Minimal

[Pigmentation TGLS = 4-5]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 111

TRT#: 5
DOSE: 0.5% 61LF

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Uterus

OBSERVATIONS

* Ovary		Angiectasis	Minimal
		Cyst	Minimal
		Hemorrhage	Minimal
* Thyroid Gland		Inflammation	Chronic, Minimal
	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Minimal
	Interstitium	Pigmentation	Minimal

[Pigmentation TGLS = 2-5]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 112	TRT#: 5	SEX: Female	DAY ON TEST: 731
	DOSE: 0.5% 61LF	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Ovary Skin

OBSERVATIONS

Spleen		Hematopoietic Cell Proliferation Hyperplasia	Mild Lymphoid, Mild
Note: HEMA CELL PROL TGLs = 4-3 Note: HYPERPLASIA TGLs = 4-3			
* Thyroid Gland	Follicle Follicular Cel Interstitium	Pigmentation Pigmentation Pigmentation	Minimal Minimal Minimal
[Pigmentation TGLS = 3-5]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 114

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 0.5% 61LF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

OBSERVATIONS

Liver

Hepatocellular Adenoma

Multiple

Note: HEPATOCLR ADEN TGLs = 5,7-2

* Ovary

Cyst

Marked

Note: CYST TGLs = 4-4.1

Thymus

Lymphoma Malignant Lymphocytic

Note: WHAT APPEARED TO BE A LYMPH NODE IS ACTUALLY THE THYMUS.

Note: LYMPH MAL LYMP TGLs = 6-5

* Thyroid Gland

Inflammation

Chronic, Minimal

Follicle

Pigmentation

Minimal

Follicular Cel

Pigmentation

Minimal

Interstitium

Pigmentation

Minimal

[Pigmentation TGLs = 3-5]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 115

TRT#: 5
DOSE: 0.5% 61LF

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

OBSERVATIONS

* Ovary		Inflammation	Chronic, Minimal
* Thyroid Gland	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Minimal
	Interstitium	Pigmentation	Minimal
[Pigmentation TGLS = 3-5]			
Uterus	Endometrium	Hyperplasia	Mild
Note: HYPERPLASIA	TGLs = 4-4		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 117

TRT#: 5
DOSE: 0.5% 61LF

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

OBSERVATIONS

* Ovary		Cyst	Minimal
* Thyroid Gland	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Minimal
	Interstitial	Pigmentation	Minimal

[Pigmentation TGLS = 4-5]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 118

TRT#: 5
DOSE: 0.5% 61LF

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Ovary Skin

OBSERVATIONS

* Thyroid Gland	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Minimal
	Interstitium	Pigmentation	Minimal

[Pigmentation TGLS = 3-5]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 119	TRT#: 5 DOSE: 0.5% 61LF	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	* Ovary	Skin
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OBSERVATIONS

* Thyroid Gland	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Minimal
	Interstitium	Pigmentation	Minimal

[Pigmentation TGLS = 3-5]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 120

TRT#: 5
DOSE: 0.5% 61LF

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

OBSERVATIONS

* Ovary		Inflammation	Chronic, Minimal
* Thyroid Gland		Inflammation	Chronic, Mild
	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Minimal
	Interstitium	Pigmentation	Minimal

Note: PIGMENT TGLs = 3-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 121

TRT#: 5
DOSE: 0.5% 61LF

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO:

OBSERVATIONS

* Ovary		Inflammation	Chronic, Minimal
* Thyroid Gland	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Minimal
	Interstitialium	Pigmentation	Minimal
[Pigmentation TGLS = 2-5]			
Uterus	Endometrium	Hyperplasia	Moderate
Note: HYPERPLASIA TGLs = 3-4			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 123

TRT#: 5
DOSE: 0.5% 61LF

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO:

OBSERVATIONS

* Ovary

* Thyroid Gland

Follicle
Follicular Cel
Follicular Cel
Interstitialium

Cyst
Pigmentation
Pigmentation
Pigmentation
Pigmentation

Mild
Minimal
Minimal
Minimal
Minimal

[Pigmentation TGLS = 3-5]

Uterus

Endometrium

Hyperplasia

Marked

Note: HYPERPLASIA TGLs = 2-4

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 124

TRT#: 5
DOSE: 0.5% 61LF

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO:

OBSERVATIONS

* Ovary

Angiectasis
Cyst

Minimal
Mild

* Thyroid Gland

Follicle
Follicular Cel

Pigmentation
Pigmentation

Minimal
Minimal

[Pigmentation TGLS = 2-5]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 127

TRT#: 5
DOSE: 0.5% 61LF

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

OBSERVATIONS

* Ovary

Cyst
Hemorrhage

Multiple, Mild
Mild

Note: CYST TGLs = 4-4

* Thyroid Gland

Follicle
Follicular Cel
Interstitium

Pigmentation
Pigmentation
Pigmentation

Minimal
Minimal
Minimal

[Pigmentation TGLs = 3-5]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 128	TRT#: 5	SEX: Female	DAY ON TEST: 682
	DOSE: 0.5% 61LF	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin	Uterus
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OBSERVATIONS

Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN	TGLs = 3-1		
* Ovary		Cyst	Moderate
Note: EMBRYONIC CYST LINED BY HYPERPLASTIC GERM EPITHELIUM			
* Thyroid Gland	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Minimal
	Interstitium	Pigmentation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 129	TRT#: 5 DOSE: 0.5% 61LF	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Ovary	Skin	Stomach - Glandular
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OBSERVATIONS

Liver Note: HEPATOCLR ADEN TGLs = 5-2		Hepatocellular Adenoma	
Spleen Note: HYPERPLASIA TGLs = 4-3		Hyperplasia	Lymphoid, Minimal
Stomach Note: PAPILOMA SQUA TGLs = 6-3	Forestomach Forestomach	Inflammation Squamous Cell Papilloma	Chronic Active, Mild
* Thyroid Gland	Follicular Cel	Hyperplasia Inflammation	Mild Chronic, Minimal
	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Minimal
	Interstitialium	Pigmentation	Minimal

[Pigmentation TGLs = 3-5]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 130

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 0.5% 61LF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Small - Ileum

Intestine Small - Jejunum

* Ovary

Skin

OBSERVATIONS

Intestine Small

Duodenum

Lymphoma Malignant Mixed

Note: LYMPH MAL MIXD TGLs = 3-6

Liver

Hepatocellular Adenoma

Note: HEPATOCLR ADEN TGLs = 4-2

* Thyroid Gland

Follicle

Pigmentation

Minimal

Follicular Cel

Pigmentation

Minimal

Interstitium

Pigmentation

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 131	TRT#: 5 DOSE: 0.5% 61LF	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Ovary Skin

OBSERVATIONS

* Thyroid Gland	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Minimal
	Interstitium	Pigmentation	Minimal

[Pigmentation TGLS = 4-5]

Uterus	Endometrium	Hyperplasia	Mild
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Note: HYPERPLASIA TGLs = 3-4

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 132	TRT#: 5	SEX: Female	DAY ON TEST: 731
	DOSE: 0.5% 61LF	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Small - Duodenum	Intestine Small - Jejunum	* Ovary	Skin
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OBSERVATIONS

Intestine Small Note: LYMPH MAL UNDF TGLs = 4-6	Ileum	Lymphoma Malignant Undifferentiated Cell Type	
* Thyroid Gland	Follicle	Cyst	Minimal
	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Minimal
	Interstitium	Pigmentation	Minimal
[Pigmentation TGLS = 3-5]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 134

TRT#: 5
DOSE: 0.5% 61LF

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

MISSING

Thymus

OBSERVATIONS

* Ovary		Cyst	Minimal
		Hemorrhage	Minimal
		Mineralization	Minimal
* Thyroid Gland	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Minimal

[Pigmentation TGLS = 3-5]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 135	TRT#: 5	SEX: Female	DAY ON TEST: 192
	DOSE: 0.5% 61LF	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Islets, Pancreatic	Kidney	Liver	Lung
Lymph Node - Mandibular	Nose	* Ovary	Pancreas
Parathyroid Gland	Stomach - Forestomach	Stomach - Glandular	Trachea
Uterus			

MISSING

Esophagus	Intestine Small - Jejunum	Lymph Node - Mesenteric	Mammary Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Thymus			

OBSERVATIONS

* Thyroid Gland	Follicular Cel	Pigmentation	Minimal
Urinary Bladder		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 136	TRT#: 5 DOSE: 0.5% 61LF	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung	Skin
------	------

MISSING

* Ovary

OBSERVATIONS

* Thyroid Gland	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Minimal
	Interstitium	Pigmentation	Minimal
[Pigmentation TGLS = 6-5]			
Uterus	Endometrium	Hyperplasia	Mild
Note: HYPERPLASIA TGLs = 5-4			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 137

TRT#: 5
DOSE: 0.5% 61LF

SEX: Female
DISP: Moribund

DAY ON TEST: 722
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lung

* Ovary

Skin

OBSERVATIONS

* Thyroid Gland

Follicle
Follicular Cel
Interstitium

Pigmentation
Pigmentation
Pigmentation

Minimal
Minimal
Minimal

[Pigmentation TGLS = 3-5]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 138

TRT#: 5
DOSE: 0.5% 61LF

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO:

OBSERVATIONS

* Ovary

Cyst

Multiple, Mild

* Thyroid Gland

Follicle
Follicular Cel

Hemorrhage

Minimal

Pigmentation

Minimal

Pigmentation

Minimal

[Pigmentation TGLS = 2-5]

Uterus

Endometrium

Hyperplasia

Mild

Note: HYPERPLASIA TGLs = 3-4

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 139

TRT#: 5

SEX: Female

DAY ON TEST: 519

DOSE: 0.5% 61LF

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
* Ovary	Pancreas	Parathyroid Gland	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

MISSING

Lymph Node - Mandibular	Mammary Gland	Pituitary Gland
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OBSERVATIONS

Brain	Thalamus	Mineralization	Minimal
Kidney		Inflammation	Chronic, Minimal
Lymph Node	Mediastinal	Lymphoma Malignant Undifferentiated Cell Type	
	Mesenteric	Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF TGLs = 5-9			
Mesentery		Lymphoma Malignant Undifferentiated Cell Type	
Nose		Inflammation	Acute, Minimal
Salivary Glands		Inflammation	Chronic Active, Minimal
Spleen		Lymphoma Malignant Undifferentiated Cell Type	
[Lymphoma Malignant Undifferentiated Cell Type TGLs = 3,4-3]			
* Thyroid Gland	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Minimal
	Interstitium	Pigmentation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 140

TRT#: 5

DOSE: 0.5% 61LF

SEX: Female

DISP: Moribund

DAY ON TEST: 711

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Intestine Small - Duodenum

Intestine Small - Jejunum

Skin

Uterus

OBSERVATIONS

Intestine Small

Ileum

Lymphoma Malignant Mixed

Note: LYMPH MAL MIXD TGLs = 17-6

Liver

Lymphoma Malignant Mixed

Note: LYMPH MAL MIXD TGLs = 9,10,11-2+2.1

Lymph Node

Lumbar

Lymphoma Malignant Mixed

Mandibular

Lymphoma Malignant Mixed

Mediastinal

Lymphoma Malignant Mixed

Mesenteric

Lymphoma Malignant Mixed

Renal

Lymphoma Malignant Mixed

Note: LYMPH MAL MIXD TGLs = 3-5

Note: LYMPH MAL MIXD TGLs = 4-1

Note: LYMPH MAL MIXD TGLs = 16-5.1

Note: LYMPH MAL MIXD TGLs = 14,15-3.1

[Lymphoma Malignant Mixed TGLS = 12,13-2.1]

* Ovary

Lymphoma Malignant Mixed

Note: LYMPH MAL MIXD TGLs = 6-4

Spleen

Lymphoma Malignant Mixed

Note: LYMPH MAL MIXD TGLs = 8-3.1

* Thyroid Gland

Follicle

Pigmentation

Minimal

Follicular Cel

Pigmentation

Mild

Interstitium

Pigmentation

Minimal

[Pigmentation TGLS = 5-5]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 143

TRT#: 6

DOSE: 1.0% 61HF

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Esophagus
* Intestine Large - Rectum
* Liver
* Pituitary Gland
* Trachea

* Adrenal Gland - Medulla
* Heart
* Intestine Small - Duodenum
* Lung
* Skin

* Bone
* Intestine Large - Cecum
* Intestine Small - Jejunum
* Nose
* Spleen

* Brain
* Intestine Large - Colon
* Islets, Pancreatic
* Parathyroid Gland
* Stomach - Glandular

MISSING

* Gallbladder
* Mammary Gland

* Intestine Small - Ileum
* Thymus

* Lymph Node - Mandibular

* Lymph Node - Mesenteric

OBSERVATIONS

* Bone Marrow
* Kidney
* Ovary
* Pancreas
* Salivary Glands
* Stomach

Forestomach
Forestomach
Forestomach

Myelofibrosis
Inflammation
Inflammation
Inflammation
Inflammation
Acanthosis
Hyperplasia
Inflammation

Minimal
Chronic, Mild
Chronic, Minimal
Chronic, Mild
Chronic Active, Mild
Mild
Basal Cell, Minimal
Chronic Active, Mild

Note: INFLAMMATION TGLs = 5-3
Note: ACANTHOSIS TGLs = 5-3
Note: HYPERPLASIA TGLs = 5-3

* Thyroid Gland

Follicle
Follicular Cel
Interstitialium

Pigmentation
Pigmentation
Pigmentation

Minimal
Minimal
Minimal

Note: PIGMENT TGLs = 4-5

* Urinary Bladder
* Uterus

Endometrium

Inflammation
Hyperplasia

Chronic, Minimal
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 144

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 1.0% 61HF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Kidney		Inflammation	Chronic, Minimal
* Liver		Inflammation	Chronic Active, Minimal
		Necrosis	Minimal
* Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Minimal
* Ovary		Cyst	Mild
* Thyroid Gland	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Minimal
Note: PIGMENT	TGLs = 3-5		
* Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 145

TRT#: 6

DOSE: 1.0% 61HF

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Bone	* Brain
* Esophagus	* Gallbladder	* Heart	* Intestine Large - Cecum
* Intestine Large - Colon	* Intestine Large - Rectum	* Intestine Small - Duodenum	* Intestine Small - Ileum
* Intestine Small - Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node - Mandibular
* Nose	* Pituitary Gland	* Skin	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Trachea

MISSING

* Mammary Gland	* Parathyroid Gland
-----------------	---------------------

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Kidney		Inflammation	Chronic, Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Minimal
* Ovary		Cyst	Marked
		Hemorrhage	Moderate
		Thrombosis	Moderate

Note: CYST TGLs = 3-4
 Note: THROMBUS TGLs = 3-4
 Note: HEMORRHAGE TGLs = 3-4

* Pancreas		Inflammation	Chronic, Minimal
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Thyroid Gland	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Minimal

Note: PIGMENT TGLs = 2-5

* Urinary Bladder		Inflammation	Chronic, Minimal
* Uterus	Endometrium	Hydrometra	Moderate

Note: HYDROMETRA TGLs = 4-4

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 148

TRT#: 6

DOSE: 1.0% 61HF

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node - Mandibular

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Kidney		Inflammation	Chronic, Minimal
* Liver		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Ovary		Cyst	Moderate
		Hemorrhage	Mild
		Mineralization	Minimal
Note: CYST	TGLs = 4-4		
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Minimal
Note: PIGMENT	TGLs = 3-5		
* Urinary Bladder		Inflammation	Chronic, Minimal
* Uterus	Endometrium	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 148

TRT#: 6

DOSE: 1.0% 61HF

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 150

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 1.0% 61HF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Bone	* Esophagus
* Gallbladder	* Heart	* Intestine Large - Cecum	* Intestine Large - Colon
* Intestine Small - Duodenum	* Intestine Small - Ileum	* Intestine Small - Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node - Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Skin	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Intestine Large - Rectum

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Brain	Thalamus	Mineralization	Minimal
* Kidney		Inflammation	Chronic, Minimal
* Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Minimal
* Ovary		Cyst	Mild
Note: CYST	TGLs = 4-4		
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Minimal
	Interstitium	Pigmentation	Minimal
Note: PIGMENT	TGLs = 3-5		
* Uterus	Endometrium	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 151

TRT#: 6

DOSE: 1.0% 61HF

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|----------------------------|------------------------------|
| * Adrenal Gland - Cortex | * Adrenal Gland - Medulla | * Bone | * Brain |
| Ear | * 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 | * Parathyroid Gland | * Salivary Glands |
| * Skin | * Stomach - Forestomach | * Stomach - Glandular | * Thymus |
| * Trachea | | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|----------------------|----------------------------|--------------------------------------|------------------|
| * Bone Marrow | | Myelofibrosis | Minimal |
| * Kidney | | Inflammation | Chronic, Minimal |
| * Liver | | Lymphoma Malignant Mixed
Necrosis | Mild |
| Note: LYMPH MAL MIXD | TGLs = 10,11,12,13-2+2.1 | | |
| * Lung | | Lymphoma Malignant Mixed | |
| * Lymph Node | Mediastinal | Lymphoma Malignant Mixed | |
| | Mesenteric | Lymphoma Malignant Mixed | |
| | Pancreatic | Lymphoma Malignant Mixed | |
| | Renal | Lymphoma Malignant Mixed | |
| Note: LYMPH MAL MIXD | TGLs = 8,9-9 | | |
| Note: LYMPH MAL MIXD | TGLs = 5-5 | | |
| Note: LYMPH MAL MIXD | TGLs = 6-5.1 | | |
| Note: LYMPH MAL MIXD | TGLs = 7-5.1+5.2 | | |
| * Pancreas | | Lymphoma Malignant Mixed | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Spleen | | Lymphoma Malignant Mixed | |
| Note: LYMPH MAL MIXD | TGLs = 3-3 | | |
| * Thyroid Gland | Follicular Cel
Follicle | Hyperplasia
Pigmentation | Mild
Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 151

TRT#: 6
DOSE: 1.0% 61HF

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

	Follicular Cel	Pigmentation	Minimal
	Interstitial	Pigmentation	Minimal
Note: PIGMENT TGLs = 2-5			
* Urinary Bladder		Inflammation	Chronic, Minimal
* Uterus	Endometrium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 153

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 1.0% 61HF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Esophagus
* Intestine Large - Colon
* Intestine Small - Jejunum
* Lymph Node - Mesenteric
* Pituitary Gland
* Stomach - Glandular

* Adrenal Gland - Medulla
* Gallbladder
* Intestine Large - Rectum
* Islets, Pancreatic
* Mammary Gland
* Skin
* Trachea

* Bone
* Heart
* Intestine Small - Duodenum
* Lung
* Nose
* Spleen

* Brain
* Intestine Large - Cecum
* Intestine Small - Ileum
* Lymph Node - Mandibular
* Pancreas
* Stomach - Forestomach

MISSING

* Parathyroid Gland

* Thymus

OBSERVATIONS

* Bone Marrow
* Kidney
* Liver
* Ovary
* Salivary Glands
* Thyroid Gland

Follicle
Follicular Cel
Interstitial

Myelofibrosis
Inflammation
Inflammation
Mineralization
Inflammation
Pigmentation
Pigmentation
Pigmentation

Mild
Chronic, Minimal
Chronic Active, Minimal
Mild
Chronic Active, Minimal
Minimal
Minimal
Minimal

Note: PIGMENT TGLs = 5-5

* Urinary Bladder
* Uterus

Endometrium
Endometrium

Inflammation
Hydrometra
Hyperplasia

Chronic, Minimal
Moderate
Minimal

Note: HYPERPLASIA TGLs = 7-4

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:59
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 154

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 1.0% 61HF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Bone	* Brain
* Esophagus	* Gallbladder	* Heart	* Intestine Large - Cecum
* Intestine Large - Colon	* Intestine Large - Rectum	* Intestine Small - Duodenum	* Intestine Small - Ileum
* Intestine Small - Jejunum	* Islets, Pancreatic	* Liver	* Lymph Node - Mandibular
* Lymph Node - Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Trachea

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Minimal
* Kidney		Inflammation	Chronic, Minimal
* Lung		Hemorrhage	Minimal
* Ovary		Cyst	Multiple, Mild
		Hemorrhage	Mild
* Pancreas		Inflammation	Chronic, Mild
* Thyroid Gland		Inflammation	Acute, Minimal
	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Minimal
Note: PIGMENT TGLs = 3-5			
* Urinary Bladder		Inflammation	Chronic, Minimal
* Uterus	Endometrium	Hyperplasia	Minimal
Note: HYPERPLASIA TGLs = 4-4			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 155

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 1.0% 61HF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Bone	* Brain
* Esophagus	* Gallbladder	* Heart	* Intestine Large - Cecum
* Intestine Large - Colon	* Intestine Large - Rectum	* Intestine Small - Duodenum	* Intestine Small - Ileum
* Intestine Small - Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node - Mandibular
* Lymph Node - Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Salivary Glands	* Skin	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Trachea	* Uterus

MISSING

* Parathyroid Gland	* Pituitary Gland
---------------------	-------------------

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Minimal
* Kidney		Inflammation	Chronic, Minimal
		Metaplasia	Osseous, Minimal
Note: KIDNEY.			
Note: A SMALL SPICULE OF BONE WAS NOTED IN THE CORTEX OF THE			
* Liver		Inflammation	Chronic Active, Minimal
		Necrosis	Minimal
* Ovary		Cyst	Mild
		Hemorrhage	Mild
* Thyroid Gland	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Minimal
Note: PIGMENT TGLs = 4-5			
* Urinary Bladder		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 156

TRT#: 6

DOSE: 1.0% 61HF

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Bone	* 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	* Pancreas	* Pituitary Gland
* Skin	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Trachea		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Minimal
* Brain	Thalamus	Mineralization	Minimal
* Kidney		Inflammation	Chronic, Minimal
* Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Minimal
* Ovary		Angiectasis	Minimal
Note: ANGIECTASIS	TGLs = 4-4		
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Thyroid Gland	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Minimal
	Interstitium	Pigmentation	Minimal
Note: PIGMENT	TGLs = 3-5		
* Urinary Bladder		Inflammation	Chronic, Minimal
* Uterus	Endometrium	Hyperplasia	Moderate
Note: HYPERPLASIA	TGLs = 7-4.1		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 157

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 1.0% 61HF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Bone	* Esophagus
* Gallbladder	* Heart	* Intestine Large - Cecum	* Intestine Large - Colon
* Intestine Large - Rectum	* Intestine Small - Duodenum	* Intestine Small - Ileum	* Intestine Small - Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node - Mandibular	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Trachea

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Minimal
* Brain	Thalamus	Mineralization	Minimal
* Kidney		Inflammation	Chronic, Minimal
* Liver		Hepatocellular Adenoma	
* Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Minimal
* Thyroid Gland	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Minimal
Note: PIGMENT	TGLs = 3-5		
* Urinary Bladder		Inflammation	Chronic, Minimal
* Uterus	Endometrium	Hyperplasia	Mild
		Sarcoma Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 158

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 1.0% 61HF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Bone	* Brain
* Esophagus	* Gallbladder	* Heart	* Intestine Large - Cecum
* Intestine Large - Colon	* Intestine Large - Rectum	* Intestine Small - Duodenum	* Intestine Small - Ileum
* Intestine Small - Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node - Mandibular	* Mammary Gland	* Nose	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Trachea		

MISSING

* Thymus

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Kidney		Inflammation	Chronic, Minimal
* Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Minimal
* Ovary		Hemorrhage	Minimal
* Pancreas		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Thyroid Gland		Inflammation	Chronic, Minimal
	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Minimal
	Interstitium	Pigmentation	Minimal
Note: PIGMENT	TGLs = 3-5		
* Urinary Bladder		Inflammation	Chronic, Minimal
* Uterus	Endometrium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 159

TRT#: 6

DOSE: 1.0% 61HF

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Bone	* 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	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach - Forestomach	* Stomach - Glandular	* Thymus	* Trachea

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Minimal
* Brain	Thalamus	Mineralization	Minimal
* Kidney		Inflammation	Chronic, Minimal
* Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Minimal
* Ovary		Angiectasis	Mild
Note: ANGIECTASIS TGLs = 5-4			
* Thyroid Gland	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Minimal
Note: PIGMENT TGLs = 4-5			
* Urinary Bladder		Inflammation	Chronic, Minimal
* Uterus	Endometrium	Hyperplasia	Mild
Note: HYPERPLASIA TGLs = 6-4			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 160

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 1.0% 61HF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Bone	* 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	* Skin
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Trachea			

MISSING

* Adrenal Gland - Medulla	* Mammary Gland	* Parathyroid Gland
---------------------------	-----------------	---------------------

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Minimal
* Brain	Thalamus	Mineralization	Minimal
* Kidney		Inflammation	Chronic, Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Minimal
* Ovary		Inflammation	Chronic, Minimal
* Pancreas		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Thyroid Gland	Follicle	Cyst	Mild
	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Minimal
	Interstitium	Pigmentation	Minimal
Note: PIGMENT	TGLs = 3-5		
* Urinary Bladder		Inflammation	Chronic, Minimal
* Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 161

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 1.0% 61HF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Bone	* Esophagus
* Gallbladder	* Heart	* Intestine Large - Cecum	* Intestine Large - Colon
* Intestine Large - Rectum	* Intestine Small - Duodenum	* Intestine Small - Ileum	* Intestine Small - Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node - Mandibular	* Lymph Node - Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Skin
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Nose

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Brain	Thalamus	Mineralization	Minimal
* Kidney		Inflammation	Chronic, Minimal
* Liver		Inflammation	Chronic Active, Minimal
		Necrosis	Minimal
* Ovary		Cyst	Moderate
Note: [CYST] TGLs = 5-4			
Note: EMBRYONIC CYST LINED BY HYPERPLASTIC GERM EPITHELIUM			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Minimal
	Interstitium	Pigmentation	Minimal
Note: PIGMENT TGLs = 4-5			
* Uterus	Endometrium	Hyperplasia	Mild
Note: HYPERPLASIA TGLs = 6,7-4+4.1			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 162

TRT#: 6

DOSE: 1.0% 61HF

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Bone	* Brain
* Esophagus	* Gallbladder	* Heart	* Intestine Large - Cecum
* Intestine Large - Colon	* Intestine Large - Rectum	* Intestine Small - Duodenum	* Intestine Small - Ileum
* Intestine Small - Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node - Mandibular	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Skin	* Stomach - Glandular	* Thymus
* Trachea			

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Minimal
* Kidney		Inflammation	Chronic, Mild
* Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Minimal
* Ovary		Cystadenoma	
Note: CYSTADENOMA	TGLs = 4-4		
* Pancreas		Inflammation	Chronic, Minimal
* Salivary Glands		Inflammation	Chronic Active, Mild
* Spleen		Pigmentation	Mild
Note: PIGMENT	TGLs = 6-3		
* Stomach	Forestomach	Acanthosis	Mild
	Forestomach	Hyperkeratosis	Mild
	Forestomach	Hyperplasia	Basal Cell, Mild
	Forestomach	Inflammation	Chronic Active, Mild
Note: HYPERKERATOSIS	TGLs = 8-3		
Note: INFLAMMATION	TGLs = 8-3		
[Acanthosis TGLS = 8-3]			
[Hyperkeratosis TGLS = 8-3]			
* Thyroid Gland	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Minimal
Note: PIGMENT	TGLs = 2-5		
* Urinary Bladder		Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:59
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 162

TRT#: 6
DOSE: 1.0% 61HF

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus
Note: HYPERPLASIA TGLs = 5-4.1

Endometrium

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:59
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 164

TRT#: 6

SEX: Female

DAY ON TEST: 554

DOSE: 1.0% 61HF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Bone	* Bone Marrow
* Intestine Large - Cecum	* Intestine Large - Colon	* Intestine Large - Rectum	* Intestine Small - Duodenum
* Intestine Small - Ileum	* Intestine Small - Jejunum	* Islets, Pancreatic	* Nose
* Parathyroid Gland	* Pituitary Gland		

MISSING

* Esophagus	* Mammary Gland
-------------	-----------------

OBSERVATIONS

* Brain		Lymphoma Malignant Mixed	
* Gallbladder		Lymphoma Malignant Mixed	
* Heart		Lymphoma Malignant Mixed	
* Kidney		Lymphoma Malignant Mixed	
* Liver		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD	TGLs = 9-2		
* Lung		Lymphoma Malignant Mixed	
* Lymph Node	Mandibular	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
	Pancreatic	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD	TGLs = 5-5		
Mesentery		Lymphoma Malignant Mixed	
* Ovary		Cyst	Mild
		Lymphoma Malignant Mixed	
Note: CYST	TGLs = 7-4		
* Pancreas		Lymphoma Malignant Mixed	
* Salivary Glands		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD	TGLs = 4-5		
Skeletal Muscle		Lymphoma Malignant Mixed	
* Skin		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD	TGLs = 3-9		
* Spleen		Lymphoma Malignant Mixed	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:59
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 164

TRT#: 6

DOSE: 1.0% 61HF

SEX: Female

DISP: Moribund

DAY ON TEST: 554

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LYMPH MAL MIXD TGLs = 8-3.1			
* Stomach	Forestomach Glandular	Hyperplasia Lymphoma Malignant Mixed Lymphoma Malignant Mixed	Pseudoepithel, Minimal
* Thymus			
Note: LYMPH MAL MIXD TGLs = 6-5			
* Thyroid Gland	Follicle Follicular Cel Interstitialium	Lymphoma Malignant Mixed Pigmentation Pigmentation Pigmentation	Mild Mild Minimal
Tooth		Lymphoma Malignant Mixed	
* Trachea		Lymphoma Malignant Mixed	
* Urinary Bladder		Lymphoma Malignant Mixed	
* Uterus		Lymphoma Malignant Mixed	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 165

TRT#: 6

DOSE: 1.0% 61HF

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|------------------------------|---------------------------|-----------------------------|
| * Adrenal Gland - Cortex | * Adrenal Gland - Medulla | * Bone | * 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 | * Parathyroid Gland | * Pituitary Gland | * Skin |
| * Spleen | * Stomach - Forestomach | * Stomach - Glandular | * Thymus |
| * Trachea | | | |

MISSING

- * Nose

OBSERVATIONS

- | | | | |
|-------------------|----------------|-----------------------|-------------------------|
| * Bone Marrow | | Myelofibrosis | Minimal |
| * Brain | Thalamus | Mineralization | Minimal |
| * Liver | | Inflammation | Chronic Active, Minimal |
| * Lymph Node | Mesenteric | Infiltration Cellular | Histiocyte, Minimal |
| * Ovary | | Cystadenoma | |
| Note: CYSTADENOMA | TGLs = 5-4 | | |
| * Pancreas | | Inflammation | Chronic, Minimal |
| * Salivary Glands | | Inflammation | Chronic Active, Minimal |
| * Thyroid Gland | Follicular Cel | Hyperplasia | Minimal |
| | Follicle | Pigmentation | Mild |
| | Follicular Cel | Pigmentation | Mild |
| | Interstitium | Pigmentation | Minimal |
| Note: PIGMENT | TGLs = 4-5 | | |
| * Urinary Bladder | | Inflammation | Chronic, Mild |
| * Uterus | Endometrium | Hydrometra | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:59
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 167

TRT#: 6
DOSE: 1.0% 61HF

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Bone	* Brain
* Esophagus	* Gallbladder	* Heart	* Intestine Large - Cecum
* Intestine Large - Colon	* Intestine Large - Rectum	* Intestine Small - Duodenum	* Intestine Small - Ileum
* Intestine Small - Jejunum	* Islets, Pancreatic	* Lymph Node - Mandibular	* Lymph Node - Mesenteric
* Nose	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach - Glandular	* Thymus	* Trachea

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Minimal
* Kidney		Inflammation	Chronic, Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Lung		Adenocarcinoma	Metastatic (Mammary Gland)
Note: ADENOCARC TGLs = 5-1			
Note: ALVEOLAR/BRONCHIOLAR CARCINOMA WAS ALSO CONSIDERED.			
Note: IN ASSESSING THE LUNG THE POSSIBILITY OF A PRIMARY			
* Mammary Gland		Adenocarcinoma	
Note: ADENOCARC TGLs = 3-9			
* Ovary		Cyst	Mild
* Pancreas		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Stomach	Forestomach	Squamous Cell Papilloma	
Note: PAPILOMA SQUA TGLs = 9-3			
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Minimal
	Interstitium	Pigmentation	Minimal
Note: PIGMENT TGLs = 4-5			
* Urinary Bladder		Inflammation	Chronic, Minimal
* Uterus	Endometrium	Hyperplasia	Moderate
Note: HYPERPLASIA TGLs = 6,7-4			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:59
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 167

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 1.0% 61HF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 168

TRT#: 6

DOSE: 1.0% 61HF

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|------------------------------|---------------------------|-----------------------------|
| * Adrenal Gland - Cortex | * Adrenal Gland - Medulla | * Bone | * Esophagus |
| * Gallbladder | * Heart | * Intestine Large - Cecum | * Intestine Large - Colon |
| * Intestine Large - Rectum | * Intestine Small - Duodenum | * Intestine Small - Ileum | * Intestine Small - Jejunum |
| * Islets, Pancreatic | * Lung | * Lymph Node - Mandibular | * Mammary Gland |
| * Nose | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Spleen | * Stomach - Forestomach | * Stomach - Glandular | * Thymus |
| * Trachea | * Urinary Bladder | | |

MISSING

- * Pituitary Gland

OBSERVATIONS

- | | | | |
|--|----------------|-----------------------|-------------------------|
| * Bone Marrow | | Myelofibrosis | Mild |
| * Brain | Thalamus | Mineralization | Minimal |
| Note: THE BRAIN CONTAINED NUMEROUS ARTEFACTUAL VACUOLES. | | | |
| * Kidney | | Inflammation | Chronic, Minimal |
| * Liver | | Inflammation | Chronic Active, Minimal |
| | | Necrosis | Minimal |
| * Lymph Node | Mesenteric | Infiltration Cellular | Histiocyte, Minimal |
| * Ovary | | Cyst | Minimal |
| | | Hemorrhage | Minimal |
| * Pancreas | | Inflammation | Chronic, Minimal |
| * Thyroid Gland | Follicle | Pigmentation | Minimal |
| | Follicular Cel | Pigmentation | Minimal |
| | Interstitium | Pigmentation | Minimal |
| Note: PIGMENT TGLs = 2-5 | | | |
| * Uterus | Endometrium | Hyperplasia | Mild |
| Note: HYPERPLASIA TGLs = 3-4+4.1 | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 170

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 1.0% 61HF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Gallbladder
* Intestine Small - Duodenum
* Lung
* Skin
* Trachea

* Bone
* Heart
* Intestine Small - Ileum
* Nose
* Stomach - Forestomach
* Urinary Bladder

* Brain
* Intestine Large - Cecum
* Intestine Small - Jejunum
* Ovary
* Stomach - Glandular

* Esophagus
* Intestine Large - Colon
* Islets, Pancreatic
* Parathyroid Gland
* Thymus

MISSING

* Adrenal Gland - Medulla

* Intestine Large - Rectum

* Lymph Node - Mandibular

* Mammary Gland

INSUFFICIENT TISSUE

* Pituitary Gland

OBSERVATIONS

* Bone Marrow
* Kidney
* Liver
* Lymph Node

Lumbar
Mesenteric
Pancreatic
Renal

Myelofibrosis
Inflammation
Lymphoma Malignant Mixed
Lymphoma Malignant Mixed
Lymphoma Malignant Mixed
Lymphoma Malignant Mixed
Lymphoma Malignant Mixed

Mild
Chronic, Minimal

Note: LYMPH MAL MIXD TGLs = 6-5

Note: LYMPH MAL MIXD TGLs = 7-5

Note: LYMPH MAL MIXD TGLs = 8-9

[Lymphoma Malignant Mixed TGLS = 9-9]

* Pancreas
* Salivary Glands
* Spleen

Note: LYMPH MAL MIXD TGLs = 5-3

* Thyroid Gland

Follicle
Follicular Cel
Interstitialium

Inflammation
Inflammation
Lymphoma Malignant Mixed

Chronic, Minimal
Chronic Active, Minimal

Note: PIGMENT TGLs = 3-5

Pigmentation
Pigmentation
Pigmentation

Minimal
Minimal
Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:59
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 170

TRT#: 6
DOSE: 1.0% 61HF

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus	Endometrium	Hyperplasia	Moderate
Note: HYPERPLASIA TGLs = 4,10-4			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 172

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 1.0% 61HF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Esophagus
* Intestine Large - Rectum
* Islets, Pancreatic
* Pancreas
* Spleen
* Trachea

* Adrenal Gland - Medulla
* Heart
* Intestine Small - Duodenum
* Lung
* Pituitary Gland
* Stomach - Forestomach
* Uterus

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

* Brain
* Intestine Large - Colon
* Intestine Small - Jejunum
* Nose
* Skin
* Thymus

MISSING

* Mammary Gland

INSUFFICIENT TISSUE

* Parathyroid Gland

OBSERVATIONS

* Bone Marrow
* Gallbladder
* Kidney
* Liver
* Lymph Node
* Ovary

Mesenteric

Myelofibrosis
Inflammation
Inflammation
Inflammation
Infiltration Cellular
Cyst
Hemorrhage

Mild
Chronic, Minimal
Chronic, Minimal
Chronic Active, Minimal
Histiocyte, Minimal
Mild
Mild

Note: HEMORRHAGE TGLs = 3-4

* Thyroid Gland

Follicle
Follicular Cel
Interstitial

Pigmentation
Pigmentation
Pigmentation

Minimal
Minimal
Minimal

Note: PIGMENT TGLs = 4-5

* Urinary Bladder

Inflammation

Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 173

TRT#: 6

DOSE: 1.0% 61HF

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Gallbladder
* Intestine Large - Rectum
* Islets, Pancreatic
* Ovary
* Stomach - Forestomach
* Uterus

* Bone
* Heart
* Intestine Small - Duodenum
* Lung
* Parathyroid Gland
* Stomach - Glandular

* Brain
* Intestine Large - Cecum
* Intestine Small - Ileum
* Mammary Gland
* Pituitary Gland
* Thymus

* Esophagus
* Intestine Large - Colon
* Intestine Small - Jejunum
* Nose
* Skin
* Trachea

MISSING

* Adrenal Gland - Medulla

* Lymph Node - Mandibular

OBSERVATIONS

* Bone Marrow
* Kidney
* Liver
* Lymph Node
* Pancreas
* Salivary Glands
* Spleen
* Thyroid Gland

Mesenteric

Follicle
Follicular Cel
Interstitium

Myelofibrosis
Inflammation
Inflammation
Infiltration Cellular
Inflammation
Inflammation
Hyperplasia
Pigmentation
Pigmentation
Pigmentation

Mild
Chronic, Minimal
Chronic Active, Minimal
Histiocyte, Minimal
Chronic, Minimal
Chronic Active, Minimal
Lymphoid, Mild
Minimal
Minimal
Minimal

Note: PIGMENT TGLs = 2-5

* Urinary Bladder

Inflammation

Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 174

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 1.0% 61HF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Bone	* Brain
* Esophagus	* Gallbladder	* Heart	* Intestine Large - Colon
* Intestine Large - Rectum	* Intestine Small - Duodenum	* Intestine Small - Ileum	* Intestine Small - Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node - Mesenteric
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Skin	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Trachea		

MISSING

* Intestine Large - Cecum	* Lymph Node - Mandibular
---------------------------	---------------------------

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Minimal
* Kidney		Inflammation	Chronic, Minimal
* Pancreas		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Thyroid Gland	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Minimal
Note: PIGMENT	TGLs = 3-5		
* Urinary Bladder		Inflammation	Chronic, Mild
* Uterus	Endometrium	Hyperplasia	Mild
Note: HYPERPLASIA	TGLs = 5-4		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:59
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 175

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 1.0% 61HF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Bone	* Esophagus
* Heart	* Intestine Large - Cecum	* Intestine Large - Colon	* Intestine Large - Rectum
* Intestine Small - Duodenum	* Intestine Small - Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node - Mandibular	* Nose	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Skin	* Spleen	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Trachea	

MISSING

* Mammary Gland

INSUFFICIENT TISSUE

* Lymph Node - Mesenteric

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Brain	Thalamus	Mineralization	Minimal
* Gallbladder		Inflammation	Chronic, Minimal
* Intestine Small	Ileum	Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF TGLs = 5-6			
* Kidney		Inflammation	Chronic, Mild
* Liver		Inflammation	Chronic Active, Minimal
		Necrosis	Minimal
* Pancreas		Inflammation	Chronic, Minimal
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Mild
	Interstitial	Pigmentation	Minimal
Note: PIGMENT TGLs = 3-5			
* Urinary Bladder		Inflammation	Chronic, Minimal
* Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 176

TRT#: 6

DOSE: 1.0% 61HF

SEX: Female

DISP: Dead

DAY ON TEST: 729

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large - Cecum
* Intestine Large - Colon	* Intestine Large - Rectum	* Intestine Small - Duodenum	* Intestine Small - Ileum
* Intestine Small - Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node - Mandibular
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach - Forestomach
* Stomach - Glandular	* Thymus	* Trachea	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Gallbladder		Lymphoma Malignant Undifferentiated Cell Type	
* Kidney		Inflammation	Chronic, Minimal
* Liver		Lymphoma Malignant Undifferentiated Cell Type	
		Necrosis	Minimal
Note: LYMPH MAL UNDF	TGLs = 6-2		
* Lymph Node	Mesenteric	Lymphoma Malignant Undifferentiated Cell Type	
	Pancreatic	Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF	TGLs = 5-5		
* Spleen		Lymphoma Malignant Undifferentiated Cell Type	
Note: LYMPH MAL UNDF	TGLs = 2,3-3.1		
* Thyroid Gland	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Minimal
	Interstitium	Pigmentation	Minimal
* Urinary Bladder		Inflammation	Chronic, Minimal
* Uterus	Endometrium	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 178

TRT#: 6

DOSE: 1.0% 61HF

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Esophagus
* Intestine Large - Rectum
* Islets, Pancreatic
* Mammary Gland
* Spleen

* Adrenal Gland - Medulla
* Heart
* Intestine Small - Duodenum
* Liver
* Pancreas
* Stomach - Forestomach

* Bone
* Intestine Large - Cecum
* Intestine Small - Ileum
* Lymph Node - Mandibular
* Pituitary Gland
* Stomach - Glandular

* Brain
* Intestine Large - Colon
* Intestine Small - Jejunum
* Lymph Node - Mesenteric
* Skin
* Trachea

MISSING

* Nose
* Thymus

INSUFFICIENT TISSUE

* Parathyroid Gland

OBSERVATIONS

* Bone Marrow
* Gallbladder
* Kidney
* Lung
 Note: FROM HANDLING AT NECROPSY.
* Ovary
 Note: CYSTADENOMA TGLs = 3-4
* Salivary Glands
* Thyroid Gland
 Follicle
 Follicular Cel
 Interstitial
 Note: PIGMENT TGLs = 2-5
* Urinary Bladder
* Uterus

Myelofibrosis
Inflammation
Inflammation
Hemorrhage
Cystadenoma
Inflammation
Pigmentation
Pigmentation
Pigmentation
Inflammation
Hyperplasia

Mild
Chronic, Minimal
Chronic, Minimal
Mild
Chronic Active, Mild
Minimal
Minimal
Minimal
Chronic, Minimal
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 184

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 1.0% 61HF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Gland - Cortex
- * Esophagus
- * Intestine Large - Colon
- * Intestine Small - Jejunum
- * Mammary Gland
- * Skin
- * Thymus

- * Adrenal Gland - Medulla
- * Gallbladder
- * Intestine Large - Rectum
- * Islets, Pancreatic
- * Nose
- * Spleen
- * Trachea

- * Bone
- * Heart
- * Intestine Small - Duodenum
- * Lung
- * Ovary
- * Stomach - Forestomach

- * Brain
- * Intestine Large - Cecum
- * Intestine Small - Ileum
- * Lymph Node - Mandibular
- * Parathyroid Gland
- * Stomach - Glandular

MISSING

- * Lymph Node - Mesenteric

- * Pituitary Gland

OBSERVATIONS

- * Bone Marrow
- * Kidney
- * Liver
- * Pancreas
- * Salivary Glands
- * Thyroid Gland

- Follicle
- Follicular Cel
- Interstitium

- Myelofibrosis
- Inflammation
- Inflammation
- Inflammation
- Inflammation
- Pigmentation
- Pigmentation
- Pigmentation

- Mild
- Chronic, Minimal
- Chronic Active, Minimal
- Chronic, Minimal
- Chronic Active, Mild
- Minimal
- Minimal
- Minimal

Note: PIGMENT TGLs = 2-5

Note: THE SPECIAL STAINS WERE WUSED TO CHARACTERIZE THE PIGMENT

Note: IN THE THYROID GLAND. POSITIVE CONTROLS WERE AVAILABLE

Note: FOR ALL THE SPECIAL STAINS. ANIMAL 4 UF (85-0983)

Note: THE COMPUTER STAIN LIST. AN UNSTAINED SECTION WAS ALSO

Note: BUT COULD NOT BE LOGGED IN BECAUSE THE STAIN WAS NOT ON

Note: SERVED AS A CONTROL. PERL'S IRON STAIN WAS ALSO NEGATIVE

Note: EXAMINED. THE PIGMENT GRANULES WERE LIGHT BROWN IN THE

Note: UNSTAINED PREPARATION. THE FONTANA-MASSON SILVER STAIN

Note: THE GIEMSA STAIN REVEALED DARK BLUE GRANULES IN THE

Note: FOLLICULAR CELLS AND IRREGULARLY SHAPED DARK BLUE

Note: AGGREGATES IN THE COLLOID.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:59
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 184

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 1.0% 61HF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: POSITIVE IN THE TREATED ANIMAL.

Note: WAS POSITIVE IN THE CONTROL AND TREATED, BUT MUCH MORE

* Urinary Bladder

Inflammation

Chronic, Minimal

* Uterus

Endometrium

Hyperplasia

Mild

Note: HYPERPLASIA TGLs = 5-4

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 185

TRT#: 6

DOSE: 1.0% 61HF

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Heart
* Intestine Small - Duodenum
* Lymph Node - Mandibular
* Ovary
* Stomach - Glandular

* Adrenal Gland - Medulla
* Intestine Large - Cecum
* Intestine Small - Ileum
* Lymph Node - Mesenteric
* Skin
* Thymus

* Bone
* Intestine Large - Colon
* Intestine Small - Jejunum
* Mammary Gland
* Spleen
* Trachea

* Esophagus
* Intestine Large - Rectum
* Islets, Pancreatic
* Nose
* Stomach - Forestomach

MISSING

* Pituitary Gland

INSUFFICIENT TISSUE

* Parathyroid Gland

OBSERVATIONS

* Bone Marrow
* Brain
* Gallbladder
* Kidney
* Liver

Thalamus

Myelofibrosis
Mineralization
Inflammation
Inflammation
Basophilic Focus

Mild
Minimal
Chronic, Minimal
Chronic, Minimal
Mild

Note: THE POSSIBILITY OF AN HEPATOCELLULAR ADENOMA WAS CON-
sidered but no compression was obvious.

* Lung
* Pancreas
* Salivary Glands
* Thyroid Gland

Follicle
Follicular Cel
Interstitial

Hemorrhage
Inflammation
Inflammation
Pigmentation
Pigmentation
Pigmentation

Minimal
Chronic, Minimal
Chronic Active, Minimal
Minimal
Minimal
Minimal

Note: PIGMENT TGLs = 4-5

* Urinary Bladder
* Uterus

Endometrium

Inflammation
Hydrometra

Chronic, Mild
Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:59
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 187

TRT#: 6
DOSE: 1.0% 61HF

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Bone	* Esophagus
* Gallbladder	* Heart	* Intestine Large - Cecum	* Intestine Large - Colon
* Intestine Large - Rectum	* Intestine Small - Duodenum	* Intestine Small - Ileum	* Intestine Small - Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node - Mandibular	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Pituitary Gland
* Skin	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Trachea			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Brain	Thalamus	Mineralization	Minimal
* Kidney		Inflammation	Chronic, Minimal
* Liver		Inflammation	Chronic Active, Minimal
		Necrosis	Minimal
* Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Minimal
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Thymus		Cyst	Minimal
* Thyroid Gland	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Mild
Note: PIGMENT	TGLs = 3-5		
* Urinary Bladder		Inflammation	Chronic, Minimal
* Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 189

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 1.0% 61HF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Gallbladder
* Intestine Large - Rectum
* Islets, Pancreatic
* Mammary Gland
* Spleen
* Trachea

* Adrenal Gland - Medulla
* Heart
* Intestine Small - Duodenum
* Liver
* Ovary
* Stomach - Forestomach

* Bone
* Intestine Large - Cecum
* Intestine Small - Ileum
* Lung
* Parathyroid Gland
* Stomach - Glandular

* Esophagus
* Intestine Large - Colon
* Intestine Small - Jejunum
* Lymph Node - Mandibular
* Skin
* Thymus

MISSING

* Lymph Node - Mesenteric

* Nose

OBSERVATIONS

* Bone Marrow
* Brain
* Kidney
* Pancreas
* Pituitary Gland
* Salivary Glands
* Thyroid Gland

Thalamus

Pars Distalis

Follicle

Follicular Cel

Interstitium

* Urinary Bladder

* Uterus

Endometrium

Myelofibrosis
Mineralization
Inflammation
Inflammation
Hyperplasia
Inflammation
Pigmentation
Pigmentation
Pigmentation
Inflammation
Hyperplasia

Moderate
Minimal
Chronic, Minimal
Chronic, Minimal
Mild
Chronic Active, Minimal
Mild
Mild
Minimal
Chronic, Minimal
Moderate

Note: HYPERPLASIA TGLs = 6-4

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 190

TRT#: 6

DOSE: 1.0% 61HF

SEX: Female

DISP: Moribund

DAY ON TEST: 610

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Esophagus
* Intestine Large - Colon
* Islets, Pancreatic
* Ovary
* Salivary Glands
* Trachea

* Adrenal Gland - Medulla
* Gallbladder
* Intestine Large - Rectum
* Lymph Node - Mandibular
* Pancreas
* Skin

* Bone
* Heart
* Intestine Small - Duodenum
* Mammary Gland
* Parathyroid Gland
* Stomach - Forestomach

* Brain
* Intestine Large - Cecum
* Intestine Small - Jejunum
* Nose
* Pituitary Gland
* Stomach - Glandular

MISSING

* Intestine Small - Ileum

* Thymus

OBSERVATIONS

* Bone Marrow
* Kidney
* Liver

Myelofibrosis
Inflammation
Necrosis

Minimal
Chronic, Minimal
Minimal

Note: NECROSIS IN THE LIVER WAS SINGLE CELL NECROSIS.

* Lung

Mediastinum

Alveolar/Bronchiolar Carcinoma
Alveolar/Bronchiolar Carcinoma

Metastatic (Lung)
Multiple

[Alveolar/Bronchiolar Carcinoma TGLS = 4-1]

* Lymph Node
* Spleen
* Thyroid Gland

Mesenteric
Follicle
Follicular Cel
Interstitium

Infiltration Cellular
Hyperplasia
Pigmentation
Pigmentation
Pigmentation

Histiocyte, Minimal
Lymphoid, Mild
Mild
Mild
Minimal

Note: PIGMENT TGLs = 3-5

* Urinary Bladder
* Uterus

Endometrium

Inflammation
Hyperplasia

Chronic, Minimal
Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:59
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 191

TRT#: 6
DOSE: 1.0% 61HF

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
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	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Skin	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Trachea			

MISSING

* Gallbladder	* Urinary Bladder
---------------	-------------------

OBSERVATIONS

* Kidney		Inflammation	Chronic, Minimal
* Liver		Inflammation	Chronic Active, Minimal
* Lung		Hemorrhage	Minimal
* Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Minimal
* Ovary		Cyst	Mild
Note: [CYST] TGLs = 3-4			
Note: EMBRYONIC CYST LINED BY HYPERPLASTIC GERM EPITHELIUM			
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Spleen		Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA TGLs = 5-3			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Minimal
	Interstitium	Pigmentation	Minimal
Note: PIGMENT TGLs = 2-5			
* Uterus	Endometrium	Hydrometra	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 192

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 1.0% 61HF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | |
|---------------|---------------|-------------------------|
| * Bone Marrow | Myelofibrosis | Minimal |
| * Kidney | Inflammation | Chronic, Minimal |
| * Liver | Inflammation | Chronic Active, Minimal |
| * Ovary | Cyst | Mild |
| | Hemorrhage | Mild |
| | Teratoma | |

Note: HEMORRHAGE TGLs = 4-4

Note: TERATOMA TGLs = 3-4

- * Saliv Glands

Note: A SMALL PORTION OF THE PAROTID SALIVARY GLAND APPEARS TO

Note: BE WITHIN THE MANDIBULAR SALIVARY GLAND.

- | | | | |
|-----------------|----------------|--------------|---------|
| * Thyroid Gland | Follicular Cel | Hyperplasia | Minimal |
| | Follicle | Pigmentation | Mild |
| | Follicular Cel | Pigmentation | Mild |
| | Interstitium | Pigmentation | Minimal |

Note: PIGMENT TGLs = 2-5

- | | | | |
|----------|-------------|-------------|------|
| * Uterus | Endometrium | Hyperplasia | Mild |
|----------|-------------|-------------|------|

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 193

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 1.0% 61HF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Gallbladder
* Intestine Large - Rectum
* Islets, Pancreatic
* Pancreas
* Spleen
* Urinary Bladder

* Bone
* Heart
* Intestine Small - Duodenum
* Lymph Node - Mandibular
* Pituitary Gland
* Stomach - Forestomach

* Brain
* Intestine Large - Cecum
* Intestine Small - Ileum
* Nose
* Salivary Glands
* Stomach - Glandular

* Esophagus
* Intestine Large - Colon
* Intestine Small - Jejunum
* Ovary
* Skin
* Trachea

MISSING

* Mammary Gland

* Parathyroid Gland

* Thymus

INSUFFICIENT TISSUE

* Lymph Node - Mesenteric

OBSERVATIONS

* Adrenal Gland
* Bone Marrow
* Kidney
* Liver
* Lung
* Thyroid Gland

Medulla

Follicle
Follicular Cel
Interstitium

Hyperplasia
Myelofibrosis
Inflammation
Inflammation
Hemorrhage
Inflammation
Pigmentation
Pigmentation
Pigmentation

Mild
Mild
Chronic, Minimal
Chronic Active, Minimal
Minimal
Chronic, Minimal
Minimal
Minimal
Minimal

Note: PIGMENT TGLs = 3-5

* Uterus

Endometrium
Endometrium

Hyperplasia
Metaplasia

Moderate
Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 194

TRT#: 6

DOSE: 1.0% 61HF

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Bone	* 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	* Parathyroid Gland	* Pituitary Gland
* Skin	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Trachea		

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Brain	Thalamus	Mineralization	Minimal
Harderian Gland		Adenoma	
Note: ADENOMA	TGLs = 2-9		
* Kidney		Inflammation	Chronic, Minimal
* Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Minimal
* Ovary		Cyst	Moderate
		Granulosa Cell Tumor Benign	
Note: CYST	TGLs = 4-4		
* Pancreas		Inflammation	Chronic, Minimal
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Thyroid Gland		Inflammation	Chronic Active, Minimal
	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Minimal
Note: PIGMENT	TGLs = 3-5		
* Urinary Bladder		Inflammation	Chronic, Minimal
* Uterus	Endometrium	Hydrometra	Moderate
	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:59
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 195

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 1.0% 61HF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

INSUFFICIENT TISSUE

* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Kidney		Inflammation	Chronic, Mild
* Liver		Inflammation	Chronic Active, Minimal
		Necrosis	Minimal
* Ovary		Cyst	Minimal
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Thyroid Gland	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Minimal
Note: PIGMENT	TGLs = 2-5		
* Urinary Bladder		Inflammation	Chronic, Minimal
* Uterus	Endometrium	Hyperplasia	Mild
Note: HYPERPLASIA	TGLs = 3-4		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 196

TRT#: 6

DOSE: 1.0% 61HF

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Esophagus
* Intestine Large - Colon
* Islets, Pancreatic
* Nose
* Spleen
* Urinary Bladder

* Adrenal Gland - Medulla
* Gallbladder
* Intestine Small - Duodenum
* Lung
* Pancreas
* Stomach - Forestomach

* Bone
* Heart
* Intestine Small - Ileum
* Lymph Node - Mandibular
* Pituitary Gland
* Stomach - Glandular

* Brain
* Intestine Large - Cecum
* Intestine Small - Jejunum
* Mammary Gland
* Skin
* Trachea

MISSING

* Intestine Large - Rectum

* Parathyroid Gland

* Thymus

OBSERVATIONS

* Bone Marrow
* Kidney
* Liver
* Lymph Node
* Ovary
Note: CYST TGLs = 5-4

Mesenteric

Myelofibrosis
Inflammation
Inflammation
Infiltration Cellular
Cyst

Minimal
Chronic, Minimal
Chronic Active, Minimal
Histiocyte, Minimal
Marked

* Salivary Glands
* Thyroid Gland
Note: PIGMENT TGLs = 6-5

Follicular Cel
Follicle
Follicular Cel
Interstitium

Inflammation
Hyperplasia
Inflammation
Pigmentation
Pigmentation
Pigmentation

Chronic Active, Minimal
Mild
Chronic, Minimal
Mild
Mild
Minimal

* Uterus
Endometrium
Endometrium

Hydrometra
Hyperplasia

Moderate
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 197

TRT#: 6

SEX: Female

DAY ON TEST: 561

DOSE: 1.0% 61HF

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Esophagus
* Intestine Large - Colon
* Islets, Pancreatic
* Mammary Gland
* Skin
* Thymus

* Adrenal Gland - Medulla
* Gallbladder
* Intestine Large - Rectum
* Liver
* Nose
* Spleen
* Trachea

* Bone
* Heart
* Intestine Small - Duodenum
* Lymph Node - Mandibular
* Pancreas
* Stomach - Forestomach
* Uterus

* Brain
* Intestine Large - Cecum
* Intestine Small - Ileum
* Lymph Node - Mesenteric
* Pituitary Gland
* Stomach - Glandular

MISSING

* Parathyroid Gland

AUTO PRECLUDES DIAG.

* Intestine Small - Jejunum

OBSERVATIONS

* Bone Marrow
* Kidney

* Lung
Note: OSTEOSARC TGLs = 3-1+1.1

* Ovary
Note: CYST TGLs = 5-4

* Salivary Glands
Skeletal Muscle
Note: OSTEOSARC TGLs = 7-9

* Thyroid Gland

* Urinary Bladder

Follicle
Follicular Cel
Interstitium

Osteosarcoma
Inflammation
Osteosarcoma
Osteosarcoma

Cyst

Inflammation
Osteosarcoma

Pigmentation
Pigmentation
Pigmentation
Inflammation

Metastatic (Uncertain Primary Site)
Chronic, Mild
Metastatic (Uncertain Primary Site)
Metastatic (Uncertain Primary Site)

Moderate

Chronic Active, Minimal
Metastatic (Uncertain Primary Site)

Mild
Mild
Minimal
Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 198

TRT#: 6

DOSE: 1.0% 61HF

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Esophagus
* Intestine Large - Colon
* Intestine Small - Jejunum
* Nose
* Salivary Glands
* Stomach - Glandular

* Adrenal Gland - Medulla
* Gallbladder
* Intestine Large - Rectum
* Islets, Pancreatic
* Ovary
* Skin
* Thymus

* Bone
* Heart
* Intestine Small - Duodenum
* Lymph Node - Mandibular
* Parathyroid Gland
* Spleen
* Trachea

* Brain
* Intestine Large - Cecum
* Intestine Small - Ileum
* Mammary Gland
* Pituitary Gland
* Stomach - Forestomach

OBSERVATIONS

* Bone Marrow
* Kidney
* Liver
 Note: HEPATOCLR ADEN TGLs = 6-1.1
* Lung
 Note: ALV BRON ADEN TGLs = 5-1.1
* Lymph Node
* Pancreas
* Thyroid Gland
 Note: PIGMENT TGLs = 3-5
* Urinary Bladder
* Uterus

Mesenteric
Follicular Cel
Follicle
Follicular Cel
Interstitium
Endometrium
Endometrium

Myelofibrosis
Inflammation
Hepatocellular Adenoma
Alveolar/Bronchiolar Adenoma
Infiltration Cellular
Inflammation
Hyperplasia
Pigmentation
Pigmentation
Pigmentation
Inflammation
Hydrometra
Hyperplasia

Minimal
Chronic, Minimal
Histiocyte, Minimal
Chronic, Mild
Minimal
Mild
Mild
Minimal
Chronic, Minimal
Mild
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 199

TRT#: 6

DOSE: 1.0% 61HF

SEX: Female

DISP: Moribund

DAY ON TEST: 613

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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach - Forestomach	* Stomach - Glandular	* Trachea	

MISSING

* Mammary Gland	* Thymus
-----------------	----------

OBSERVATIONS

* Kidney		Inflammation	Chronic, Minimal
* Liver		Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST TGLs = 11-2			
Note: FOCAL AREAS OF NECROSIS WERE NOTED WITHIN THE LIVER TUMOR.			
* Ovary		Cyst	Marked
Note: CYST TGLs = 7-4			
* Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 9-3			
* Thyroid Gland	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Minimal
Note: PIGMENT TGLs = 6-5			
* Urinary Bladder		Inflammation	Chronic, Minimal
* Uterus		Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST TGLs = 8-4.1			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:59
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 200

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 1.0% 61HF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Moderate
* Kidney		Inflammation	Chronic, Minimal
* Liver		Inflammation	Chronic Active, Minimal
		Necrosis	Minimal
* Ovary		Cyst	Mild
		Hemorrhage	Mild
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Thyroid Gland	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Minimal
Note: PIGMENT TGLs = 5-5			
* Urinary Bladder		Inflammation	Chronic, Minimal
* Uterus	Endometrium	Hydrometra	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 201

TRT#: 6

DOSE: 1.0% 61HF

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Esophagus
* Intestine Large - Colon
* Intestine Small - Jejunum
* Mammary Gland
* Stomach - Forestomach

* Adrenal Gland - Medulla
* Gallbladder
* Intestine Large - Rectum
* Islets, Pancreatic
* Nose
* Stomach - Glandular

* Bone
* Heart
* Intestine Small - Duodenum
* Lung
* Skin
* Thymus

* Brain
* Intestine Large - Cecum
* Intestine Small - Ileum
* Lymph Node - Mandibular
* Spleen
* Trachea

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone Marrow
* Kidney
* Liver
* Lymph Node
* Ovary

* Pancreas
* Pituitary Gland
* Salivary Glands
* Thyroid Gland

Mesenteric

Pars Distalis

Follicular Cel
Follicle
Follicular Cel
Interstitium

Myelofibrosis
Inflammation
Inflammation
Infiltration Cellular
Angiectasis
Cyst
Inflammation
Hyperplasia
Inflammation
Hyperplasia
Pigmentation
Pigmentation
Pigmentation

Mild
Chronic, Minimal
Chronic Active, Minimal
Histiocyte, Minimal
Mild
Minimal
Chronic, Minimal
Mild
Chronic Active, Minimal
Mild
Mild
Mild
Minimal

Note: PIGMENT TGLs = 5-5

* Urinary Bladder
* Uterus

Endometrium
Endometrium

Inflammation
Hydrometra
Hyperplasia

Chronic, Minimal
Moderate
Moderate

Note: HYPERPLASIA TGLs = 4-4.1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 203

TRT#: 6

SEX: Female

DAY ON TEST: 647

DOSE: 1.0% 61HF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Gland - Cortex
- * Gallbladder
- * Intestine Small - Duodenum
- * Pancreas
- * Skin
- * Urinary Bladder

- * Adrenal Gland - Medulla
- * Intestine Large - Cecum
- * Intestine Small - Ileum
- * Parathyroid Gland
- * Stomach - Forestomach
- * Uterus

- * Bone
- * Intestine Large - Colon
- * Intestine Small - Jejunum
- * Pituitary Gland
- * Stomach - Glandular

- * Esophagus
- * Intestine Large - Rectum
- * Islets, Pancreatic
- * Salivary Glands
- * Trachea

MISSING

- * Mammary Gland

OBSERVATIONS

* Bone Marrow		Lymphoma Malignant Mixed	
* Brain	Thalamus	Mineralization	Minimal
* Heart		Lymphoma Malignant Mixed	
* Kidney		Inflammation	Chronic, Minimal
* Liver		Lymphoma Malignant Mixed	
* Lung		Lymphoma Malignant Mixed	
* Lymph Node	Axillary	Lymphoma Malignant Mixed	
	Lumbar	Lymphoma Malignant Mixed	
	Mandibular	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
	Renal	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD	TGLs = 12-6		
Note: LYMPH MAL MIXD	TGLs = 10-5		
Note: LYMPH MAL MIXD	TGLs = 11-3		
Note: LYMPH MAL MIXD	TGLs = 4-2		
	[Lymphoma Malignant Mixed TGLS = 6-1]		
	[Lymphoma Malignant Mixed TGLS = 3-5]		
* Nose		Inflammation	Acute, Minimal
* Ovary		Cyst	Moderate
		Hemorrhage	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:59
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 203

TRT#: 6
DOSE: 1.0% 61HF

SEX: Female
DISP: Moribund

DAY ON TEST: 647
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HEMORRHAGE	TGLs = 7-4		
* Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD	TGLs = 8-3		
* Thymus		Lymphoma Malignant Mixed	
* Thyroid Gland		Inflammation	Acute, Minimal
	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Minimal
Note: PIGMENT	TGLs = 5-5		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
 Test Type: CHRONIC
 Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: HC yellow 4
 CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
 Time Report Requested: 21:16:59
 First Dose M/F: NA / NA
 Lab: TSI MASON

ANIMAL ID: 204

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 1.0% 61HF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Bone	* 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	* Parathyroid Gland	* Pituitary Gland
* Skin	* Spleen	* Stomach - Forestomach	* Stomach - Glandular
* Thymus	* Trachea	* Uterus	

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Brain	Thalamus	Mineralization	Minimal
* Kidney		Inflammation	Chronic, Minimal
* Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Minimal
* Ovary		Cyst	Marked
Note: CYST	TGLs = 4-4		
* Pancreas		Inflammation	Chronic, Minimal
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Thyroid Gland		Inflammation	Chronic, Minimal
	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Minimal
Note: PIGMENT	TGLs = 2-5		
* Urinary Bladder		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:59
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 205

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 1.0% 61HF

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 - Rectum	* Intestine Small - Duodenum	* Intestine Small - Ileum
* Intestine Small - Jejunum	* Liver	* Lung	* Lymph Node - Mandibular
* Nose	* Ovary	* Pituitary Gland	* Skin
* Spleen	* Stomach - Forestomach	* Stomach - Glandular	* Thymus
* Trachea			

MISSING

* Intestine Large - Colon	* Islets, Pancreatic	* Lymph Node - Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland		

OBSERVATIONS

* Kidney		Inflammation	Chronic, Minimal
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Thyroid Gland	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Minimal
	Interstitium	Pigmentation	Minimal
Note: PIGMENT	TGLs = 2-5		
* Urinary Bladder		Inflammation	Chronic, Mild
* Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:59
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 206

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 1.0% 61HF

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex	* Adrenal Gland - Medulla	* Bone	* Esophagus
* Gallbladder	* Heart	* Intestine Large - Cecum	* Intestine Large - Colon
* Intestine Large - Rectum	* Intestine Small - Duodenum	* Intestine Small - Ileum	* Intestine Small - Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node - Mandibular	* Lymph Node - Mesenteric
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Skin	* Spleen	* Stomach - Glandular
* Trachea			

MISSING

* Thymus

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Minimal
* Brain	Thalamus	Mineralization	Minimal
* Kidney		Inflammation	Chronic, Mild
* Liver		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
		Necrosis	Minimal
* Pancreas		Inflammation	Chronic, Minimal
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Stomach	Forestomach	Acanthosis	Mild
	Forestomach	Hyperkeratosis	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
	Follicle	Pigmentation	Mild
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Minimal
Note: PIGMENT	TGLs = 3-5		
* Urinary Bladder		Inflammation	Chronic, Mild
* Uterus	Endometrium	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 208

TRT#: 6

DOSE: 1.0% 61HF

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Gallbladder
* Intestine Large - Rectum
* Islets, Pancreatic
* Mammary Gland
* Stomach - Glandular

* Adrenal Gland - Medulla
* Heart
* Intestine Small - Duodenum
* Liver
* Pituitary Gland
* Thymus

* Bone
* Intestine Large - Cecum
* Intestine Small - Ileum
* Lung
* Skin
* Trachea

* Esophagus
* Intestine Large - Colon
* Intestine Small - Jejunum
* Lymph Node - Mandibular
* Spleen

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone Marrow
* Brain
* Kidney
* Lymph Node
* Nose
* Ovary
* Pancreas
* Salivary Glands
* Stomach
* Thyroid Gland

Thalamus
Mesenteric
Forestomach
Follicle
Follicular Cel
Interstitium

Myelofibrosis
Mineralization
Inflammation
Infiltration Cellular
Inflammation
Cyst
Inflammation
Inflammation
Inflammation
Inflammation
Pigmentation
Pigmentation
Pigmentation

Minimal
Minimal
Chronic, Mild
Histiocyte, Minimal
Acute, Minimal
Mild
Chronic, Minimal
Chronic Active, Minimal
Chronic Active, Minimal
Chronic Active, Minimal
Mild
Mild
Minimal

Note: PIGMENT TGLs = 2-5

* Urinary Bladder
* Uterus

Endometrium

Inflammation
Hyperplasia

Chronic, Minimal
Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 209

TRT#: 6

DOSE: 1.0% 61HF

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Gland - Cortex
* Gallbladder
* Intestine Large - Rectum
* Islets, Pancreatic
* Nose
* Spleen
* Trachea

* Adrenal Gland - Medulla
* Heart
* Intestine Small - Duodenum
* Lung
* Pancreas
* Stomach - Forestomach

* Bone
* Intestine Large - Cecum
* Intestine Small - Ileum
* Lymph Node - Mandibular
* Parathyroid Gland
* Stomach - Glandular

* Esophagus
* Intestine Large - Colon
* Intestine Small - Jejunum
* Mammary Gland
* Skin
* Thymus

OBSERVATIONS

* Bone Marrow
* Brain
* Kidney
* Liver
 Note: NECROSIS TGLs = 4-2
* Lymph Node
* Ovary
 Note: HEMORRHAGE TGLs = 5-4
 Note: CYST TGLs = 5-4
* Pituitary Gland
 Note: ADENOMA TGLs = 6-7
* Salivary Glands
* Thyroid Gland
 Note: PIGMENT TGLs = 3-5
* Urinary Bladder
* Uterus

Thalamus

Mesenteric

Pars Distalis

Follicular Cel
Follicle
Follicular Cel
Interstitium

Endometrium

Myelofibrosis
Mineralization
Inflammation
Necrosis

Infiltration Cellular
Angiectasis
Cyst
Hemorrhage

Adenoma

Inflammation
Hyperplasia
Pigmentation
Pigmentation
Pigmentation

Inflammation
Hyperplasia

Mild
Minimal
Chronic, Minimal
Mild

Histiocyte, Minimal
Mild
Moderate
Moderate

Chronic Active, Minimal
Minimal
Mild
Minimal

Chronic, Minimal
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: HC yellow 4

CAS Number: 59820-43-8

Date Report Requested: 10/19/2014

Time Report Requested: 21:16:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 210

TRT#: 6

DOSE: 1.0% 61HF

SEX: Female

DISP: Moribund

DAY ON TEST: 578

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	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Pituitary Gland	* Skin	* Stomach - Glandular
* Thymus	* Trachea	* Uterus	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Brain	Thalamus	Mineralization	Minimal
* Kidney		Inflammation	Chronic, Minimal
* Lymph Node	Lumbar	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
	Renal	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 5-5.1			
Note: LYMPH MAL MIXD TGLs = 7-10			
Note: LYMPH MAL MIXD TGLs = 6-9			
* Salivary Glands		Inflammation	Chronic Active, Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 4-3			
* Stomach	Forestomach	Inflammation	Chronic Active, Mild
	Forestomach	Ulcer	Mild
Note: INFLAMMATION TGLs = 10-3.1			
Note: ULCER TGLs = 10-3.1			
* Thyroid Gland	Follicle	Pigmentation	Minimal
	Follicular Cel	Pigmentation	Mild
	Interstitium	Pigmentation	Minimal
Note: PIGMENT TGLs = 3-5			
* Urinary Bladder		Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05057-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: HC yellow 4
CAS Number: 59820-43-8

Date Report Requested: 10/19/2014
Time Report Requested: 21:16:59
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 210

TRT#: 6

SEX: Female

DAY ON TEST: 578

DOSE: 1.0% 61HF

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

**** END OF REPORT ****

* PROTOCOL REQUIRED TISSUE