

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

C Number:	C60877B
Lock Date:	10/29/1991
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	04/13/1992

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 681

TRT#: 1

SEX: Male

DAY ON TEST: 739

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: MB85-0681

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Pancreas	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

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

* Brain		Mineralization	Focal, Mild
* Epididymis		Inflammation	Chronic, Focal, Mild
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
Note: [Eosin Focus] TGLs = 3 - 5			
Mesentery	Fat	Necrosis	Focal, Mild
[Necrosis TGLS = 4-15]			
Preputial Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 1-13]			
* Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
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Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 682

TRT#: 1

SEX: Male

DAY ON TEST: 739

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: MB85-0682

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 2-12]			
Preputial Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 1-13]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
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Date Report Requested: 10/20/2014
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First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 683

TRT#: 1

SEX: Male

DAY ON TEST: 739

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: MB85-0683

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Lung		Alveolar/Bronchiolar Adenoma	Multiple
[Alveolar/Bronchiolar Adenoma TGLS = 3-12, 4-13, 5-14]			
Preputial Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 1-13]			
* Skin	Subcut Tiss	Lipoma	
[Lipoma TGLS = 2-14]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
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Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

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Date Report Requested: 10/20/2014
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First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 684

TRT#: 1

SEX: Male

DAY ON TEST: 739

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: MB85-0684

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Zymbal's Gland		

MISSING

* Mammary Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatocellular Carcinoma	
	[Basophilic Focus TGLS = 3-12]		
	[Hepatocellular Carcinoma TGLS = 2-5]		
* Lung		Alveolar/Bronchiolar Adenoma	
	Interstitialium	Inflammation	Focal, Minimal
	[Alveolar/Bronchiolar Adenoma TGLS = 4-12]		
Preputial Gland	Duct	Dilatation	Moderate
	[Dilatation TGLS = 1-13]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 685	TRT#: 1	SEX: Male	DAY ON TEST: 739
	DOSE: CONTROL MALE	DISP: Terminal Sacrifice	HISTO: MB85-0685

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Zymbal's Gland

MISSING

* Lymph Node, Mandibular	* Salivary Glands
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OBSERVATIONS

* Brain		Mineralization	Focal, Mild
Preputial Gland	Duct	Dilatation	Mild
[Dilatation TGLS = 1-12]			

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 686

TRT#: 1

SEX: Male

DAY ON TEST: 739

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: MB85-0686

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

* Gallbladder	* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Kidney	Nephropathy	Minimal
* Liver	Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 2-12]		
* Lung	Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 1-12]		
* Thymus	Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 687

TRT#: 1

SEX: Male

DAY ON TEST: 739

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: MB85-0687

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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
* Lung	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Zymbal's Gland		

MISSING

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

* Brain	Mineralization	Focal, Mild
* Liver	Mixed Cell Focus	

[Mixed Cell Focus TGLS = 1-12]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 688

TRT#: 1

SEX: Male

DAY ON TEST: 739

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: MB85-0688

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Trachea
* Urinary Bladder	* Zymbal's Gland		

MISSING

* Mammary Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 2-5, 3-14, 4-13, 5-5]			
Preputial Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 1-12]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 689

TRT#: 1

SEX: Male

DAY ON TEST: 24

DOSE: CONTROL MALE

DISP: Accidentally Killed

HISTO: MB-852000061

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Brain
* Intestine Large, Rectum
* Lymph Node, Mandibular
* Salivary Glands
* Stomach, Glandular
* Trachea

* Adrenal Medulla
* Epididymis
* Kidney
* Nose
* Seminal Vesicle
* Testes
* Urinary Bladder

* Bone
* Gallbladder
* Liver
* Pituitary Gland
* Skin
* Thymus

* Bone Marrow
* Heart
* Lung
* Prostate
* Stomach, Forestomach
* Thyroid Gland

MISSING

* Esophagus

* Mammary Gland

* Parathyroid Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum
* Intestine Small, Jejunum
* Spleen

* Intestine Large, Colon
* Islets, Pancreatic

* Intestine Small, Duodenum
* Lymph Node, Mesenteric

* Intestine Small, Ileum
* Pancreas

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 690

TRT#: 1

SEX: Male

DAY ON TEST: 739

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: MB85-0690

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal 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	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Zymbal's Gland

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex [Hyperplasia TGLS = 6-3]		Hyperplasia	Focal, Moderate
* Bone Marrow		Histiocytic Sarcoma	
* Brain		Mineralization	Focal, Mild
* Epididymis [Histiocytic Sarcoma TGLS = 4-8]		Histiocytic Sarcoma	
* Kidney		Nephropathy	Minimal
* Liver [Histiocytic Sarcoma TGLS = 9-5]		Histiocytic Sarcoma	
* Lung [Alveolar/Bronchiolar Carcinoma TGLS = 12,13-13, 11-14]		Alveolar/Bronchiolar Carcinoma	
Preputial Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 1-11]			
* Prostate [Histiocytic Sarcoma TGLS = 2-15]		Histiocytic Sarcoma	
* Spleen [Hematopoietic Cell Proliferation TGLS = 5-5]		Hematopoietic Cell Proliferation	Moderate
* Testes [Histiocytic Sarcoma TGLS = 3-8]		Histiocytic Sarcoma	

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
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Date Report Requested: 10/20/2014
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First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 690

TRT#: 1

SEX: Male

DAY ON TEST: 739

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: MB85-0690

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 691

TRT#: 1

SEX: Male

DAY ON TEST: 739

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: MB85-0691

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Gallbladder	* Mammary Gland	* Zymbal's Gland
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OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Kidney		Nephropathy	Minimal
Preputial Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 1-12]			

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 692

TRT#: 1

SEX: Male

DAY ON TEST: 739

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: MB85-0692

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Brain	Mineralization	Focal, Mild
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PRIMARY CAUSE OF DEATH

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Animal Note: NO LUNG NODULE COULD BE FOUND ON RECUTS.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 693

TRT#: 1

SEX: Male

DAY ON TEST: 739

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: MB85-0693

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney [Dilatation TGLS = 5-8]	Renal Tubule	Dilatation	Focal, Moderate
* Liver [Hepatocellular Adenoma TGLS = 4-5]		Eosinophilic Focus Hepatocellular Adenoma	Multiple
* Lung [Alveolar/Bronchiolar Adenoma TGLS = 2-12]		Alveolar/Bronchiolar Adenoma	
Lymph Node [Hyperplasia TGLS = 3-15, 6-14]	Renal	Hyperplasia	Lymphoid, Moderate
* Lymph Node, Mesenteric [Hyperplasia TGLS = 3-15, 6-14]		Hyperplasia	Lymphoid, Marked
Preputial Gland [Dilatation TGLS = 1-13]	Duct	Dilatation	Moderate
* Spleen		Hyperplasia	Lymphoid, Moderate

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 694	TRT#: 1	SEX: Male	DAY ON TEST: 739
	DOSE: CONTROL MALE	DISP: Terminal Sacrifice	HISTO: MB85-0694

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland	* Zymbal's Gland
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OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Lymph Node, Mandibular [Hyperplasia TGLS = 2-2]		Hyperplasia	Lymphoid, Moderate
Mesentery [Necrosis TGLS = 3-12]	Fat	Necrosis	Focal, Minimal
* Parathyroid Gland		Inflammation	Chronic, Focal, Mild
Preputial Gland [Dilatation TGLS = 1-13]	Duct	Dilatation	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 695

TRT#: 1

SEX: Male

DAY ON TEST: 739

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: MB85-0695

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder
* Zymbal's Gland			

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Brain	Mineralization	Focal, Mild
Harderian Gland	Adenoma	
[Adenoma TGLS = 8-16]		
* Islets, Pancreatic	Hyperplasia	Focal, Moderate
* Liver	Clear Cell Focus	
[Clear Cell Focus TGLS = 5-15,13,14,5]	Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 3,4,6,7-5,13,14,15]		
Preputial Gland	Dilatation	Moderate
[Dilatation TGLS = 1-12]		
* Seminal Vesicle	Dilatation	Mild
[Dilatation TGLS = 2-8]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 696	TRT#: 1	SEX: Male	DAY ON TEST: 739
	DOSE: CONTROL MALE	DISP: Terminal Sacrifice	HISTO: MB85-0696

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Brain		Hemorrhage	Focal, Mild
		Mineralization	Focal, Minimal
		Granuloma Sperm	Mild
* Epididymis			
[Granuloma Sperm TGLS = 3-8]			
Preputial Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 1-12]			
* Testes		Degeneration	Focal, Moderate
[Degeneration TGLS = 2-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 697

TRT#: 1

SEX: Male

DAY ON TEST: 739

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: MB85-0697

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Zymbal's Gland		

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Liver	Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 2-12]		
* Lung	Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 1-12]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 698

TRT#: 1

SEX: Male

DAY ON TEST: 739

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: MB85-0698

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Pancreas
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Zymbal's Gland		

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Kidney		Nephropathy	Mild
[Nephropathy TGLS = 4-8]			
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 2,3-5,12]		Clear Cell Focus	
Mesentery	Fat	Necrosis	Focal, Mild
[Necrosis TGLS = 1-12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 699

TRT#: 1

SEX: Male

DAY ON TEST: 667

DOSE: CONTROL MALE

DISP: Natural Death

HISTO: MB85-0699

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Zymbal's Gland		

INSUFFICIENT TISSUE

* Mammary Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Liver		Eosinophilic Focus	
[Eosinophilic Focus TGLS = 4-5]			
Preputial Gland	Duct	Dilatation	Mild
[Dilatation TGLS = 1-12]			
* Seminal Vesicle		Inflammation	Acute, Mild
[Inflammation TGLS = 3-8]			
* Urinary Bladder	Transit Epithe	Dilatation	Moderate
[Dilatation TGLS = 2-8]		Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 700

TRT#: 1

SEX: Male

DAY ON TEST: 739

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: MB85-0700

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Trachea
* Urinary Bladder	* Zymbal's Gland		

MISSING

* Gallbladder	* Mammary Gland
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OBSERVATIONS

* Brain		Mineralization	Focal, Mild
Ear	Pinna	Sarcoma	
[Sarcoma TGLS = 1-13,12]			
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 4,3-13,12]			
Preputial Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 2-13,12]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 701

TRT#: 1

SEX: Male

DAY ON TEST: 739

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: MB85-0701

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Gallbladder	* Mammary Gland
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OBSERVATIONS

* Liver		Basophilic Focus	
		Developmental Malformation	
[Basophilic Focus TGLS = 3-12]			
[Developmental Malformation TGLS = 4-5]			
Preputial Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 2-12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 702

TRT#: 1

SEX: Male

DAY ON TEST: 613

DOSE: CONTROL MALE

DISP: Natural Death

HISTO: MB85-0702

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

INSUFFICIENT TISSUE

* Mammary Gland

OBSERVATIONS

* Brain	Mineralization	Focal, Mild
Harderian Gland	Adenoma	
[Adenoma TGLS = 3-12]		
* Liver	Basophilic Focus	
	Hepatocellular Adenoma	
	Inflammation	Chronic, Focal, Mild
[Hepatocellular Adenoma TGLS = 1-5]		
* Lung	Alveolar/Bronchiolar Adenoma	
	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 703

TRT#: 1

SEX: Male

DAY ON TEST: 519

DOSE: CONTROL MALE

DISP: Moribund Sacrifice

HISTO: MB85-0703

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

INSUFFICIENT TISSUE

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Minimal
* Kidney			
Note: L-2 (KIDNEY FOCUS) WAS FOUND TO BE DEBRIS WHICH WIPED OFF.			
* Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 1-5]			
* Lymph Node, Mesenteric		Necrosis	Mild
* Spleen	Lymphocyte	Necrosis	Focal, Mild
* Thymus		Necrosis	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 704

TRT#: 1

SEX: Male

DAY ON TEST: 739

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: MB85-0704

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Mammary Gland	* Zymbal's Gland
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OBSERVATIONS

* Brain		Mineralization	Focal, Minimal
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	
	[Hepatocellular Carcinoma TGLS = 2,3-12,5]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Preputial Gland	Duct	Dilatation	Mild
	[Dilatation TGLS = 1-12]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 705

TRT#: 1

SEX: Male

DAY ON TEST: 739

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: MB85-0705

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Pituitary Gland	* Zymbal's Gland
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OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Kidney	Nephropathy	Mild
* Liver	Basophilic Focus	
	Hepatocellular Adenoma	
	Hepatocellular Carcinoma	

[Hepatocellular Carcinoma TGLS = 3,1,2,4,5-5]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 706

TRT#: 1

SEX: Male

DAY ON TEST: 739

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: MB85-0706

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Zymbal's Gland

MISSING

* Mammary Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Epididymis		Sarcoma	
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
[Eosinophilic Focus TGLS = 3-12]			
[Hepatocellular Adenoma TGLS = 2-5]			
* Lung	Alveolar Epith	Hyperplasia	Focal, Mild
* Lymph Node, Mesenteric		Hyperplasia	Plasma Cell, Mild
Preputial Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 1-12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 707

TRT#: 1

SEX: Male

DAY ON TEST: 739

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: MB85-0707

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Zymbal's Gland		

MISSING

* Gallbladder	* Mammary Gland
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OBSERVATIONS

* Brain		Mineralization	Focal, Minimal
* Liver		Eosinophilic Focus	
		Mixed Cell Focus	
Note: NO LIVER NODULE SEEN ON RECUT/RETRIM. [Mixed Cell Focus TGLS = 3-5]			
Preputial Gland	Duct	Dilatation	Mild
[Dilatation TGLS = 1-13.1]			
* Spleen		Hyperplasia	Lymphoid, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 708

TRT#: 1

SEX: Male

DAY ON TEST: 739

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: MB85-0708

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Zymbal's Gland
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 709

TRT#: 1

SEX: Male

DAY ON TEST: 739

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: MB85-0709

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Zymbal's Gland		

MISSING

* Mammary Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Kidney		Nephropathy	Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
Preputial Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 1-12]			
* Seminal Vesicle		Dilatation	Minimal
[Dilatation TGLS = 2-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 710

TRT#: 1

SEX: Male

DAY ON TEST: 739

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: MB85-0710

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Nephropathy	Mild
* Liver	Clear Cell Focus	
	Hepatocellular Adenoma	Multiple
	Mixed Cell Focus	
	[Clear Cell Focus TGLS = 5-12]	
	[Hepatocellular Adenoma TGLS = 3-5,13]	
	[Mixed Cell Focus TGLS = 2-14]	
* Lung	Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLS = 1-12]	
* Thymus	Cyst	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 711

TRT#: 1

SEX: Male

DAY ON TEST: 739

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: MB85-0711

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Zymbal's Gland

MISSING

* Lymph Node, Mandibular	* Mammary Gland
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OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Kidney	Nephropathy	Minimal
* Liver	Eosinophilic Focus	
* Lung	Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 3-12]		
Lymph Node	Bronchial	Hyperplasia
[Hyperplasia TGLS = 5-12]		
* Lymph Node, Mesenteric	Hemorrhage	Mild
[Hemorrhage TGLS = 4-7]		
Preputial Gland	Duct	Dilatation
[Dilatation TGLS = 2-13]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 712

TRT#: 1

SEX: Male

DAY ON TEST: 739

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: MB85-0712

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Zymbal's Gland

MISSING

* Mammary Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Minimal
* Kidney		Nephropathy	Minimal
Preputial Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 1-12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 713

TRT#: 1

SEX: Male

DAY ON TEST: 739

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: MB85-0713

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	* Zymbal's Gland

MISSING

* Mammary Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Heart		Hemangiosarcoma	
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
	[Clear Cell Focus TGLS = 1-5]		
	[Eosinophilic Focus TGLS = 2-12]		
* Lung	Interstitialium	Inflammation	Focal, Mild
* Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 714

TRT#: 1

SEX: Male

DAY ON TEST: 739

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: MB85-0714

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Pancreas
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Zymbal's Gland		

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Kidney		Nephropathy	Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Focal, Mild
[Alveolar/Bronchiolar Adenoma TGLS = 2-13.1]			
Preputial Gland	Duct	Dilatation	Mild
[Dilatation TGLS = 1-13]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 715

TRT#: 1

SEX: Male

DAY ON TEST: 739

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: MB85-0715

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Zymbal's Gland			

MISSING

* Mammary Gland

OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Kidney	Nephropathy	Mild
* Liver	Clear Cell Focus	
	Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 1-5]		
* Lung	Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 3-12]		
* Lymph Node, Mandibular	Hyperplasia	Lymphoid, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 716

TRT#: 1

SEX: Male

DAY ON TEST: 739

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: MB85-0716

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Lymph Node, Mandibular
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Zymbal's Gland		

MISSING

* Mammary Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Minimal
Ear	Middle Ear	Inflammation	Chronic Active, Focal, Moderate
* Kidney		Nephropathy	Mild
[Nephropathy TGLS = 12-8]			
* Liver		Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 8-5,8]			
* Lung	Interstitium	Inflammation	Focal, Minimal
Lymph Node	Axillary	Lymphoma Malignant Lymphocytic	
	Bronchial	Lymphoma Malignant Lymphocytic	
	Inguinal	Lymphoma Malignant Lymphocytic	
	Lumbar	Lymphoma Malignant Lymphocytic	
	Pancreatic	Lymphoma Malignant Lymphocytic	
	Renal	Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 14-7,18,4-12,6-15,10-16,11-17,5-14,2-7]			
[Lymphoma Malignant Lymphocytic TGLS = 14-7,18,4-12,6-15,10-16,11-17,5-14,2-7]			
[Lymphoma Malignant Lymphocytic TGLS = 14-7,18,4-12,6-15,10-16,11-17,5-14,2-7]			
[Lymphoma Malignant Lymphocytic TGLS = 14-7,18,4-12,6-15,10-16,11-17,5-14,2-7]			
[Lymphoma Malignant Lymphocytic TGLS = 14-7,18,4-12,6-15,10-16,11-17,5-14,2-7]			
[Lymphoma Malignant Lymphocytic TGLS = 14-7,18,4-12,6-15,10-16,11-17,5-14,2-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 716

TRT#: 1

SEX: Male

DAY ON TEST: 739

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: MB85-0716

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric [Lymphoma Malignant Lymphocytic TGLS = 14-7,18, 4-12, 6-15, 10-16]	Lymphoma Malignant Lymphocytic	
Preputial Gland [Dilatation TGLS = 3-12]	Dilatation	Moderate
* Skin [Inflammation TGLS = 1-12]	Inflammation	Chronic Active, Focal, Mild
* Spleen [Lymphoma Malignant Lymphocytic TGLS = 7-5]	Lymphoma Malignant Lymphocytic	
* Stomach, Glandular [Lymphoma Malignant Lymphocytic TGLS = 16-13]	Lymphoma Malignant Lymphocytic	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 717

TRT#: 1

SEX: Male

DAY ON TEST: 739

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: MB85-0717

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Mast Cell Tumor Malignant	Metastatic (Spleen)
* Intestine Small, Jejunum		Carcinoma	
[Carcinoma TGLS = 4-12]			
* Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 5-12]		Mast Cell Tumor Malignant	Metastatic (Spleen)
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 2-2]			
Preputial Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 1-13]			
* Spleen		Mast Cell Tumor Malignant	
[Mast Cell Tumor Malignant TGLS = 3-5]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 718

TRT#: 1

SEX: Male

DAY ON TEST: 739

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: MB85-0718

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular Tissue NOS	* Testes	* Thymus	* Thyroid Gland
	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Zymbal's Gland
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OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Epididymis	Granuloma Sperm	Moderate
* Kidney	Nephropathy	Minimal
* Liver	Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 3-13]		
* Lymph Node, Mandibular	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 1-2]		
* Pituitary Gland	Pars Distalis	Cyst
* Prostate	Hyperplasia	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 719

TRT#: 1

SEX: Male

DAY ON TEST: 739

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: MB85-0719

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

* Mammary Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
Preputial Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 1-12]			
* Stomach, Forestomach		Ulcer	Focal, Mild
[Ulcer TGLS = 2-13]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 720

TRT#: 1

SEX: Male

DAY ON TEST: 739

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: MB85-0720

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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
* Lymph Node, Mandibular	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Zymbal's Gland		

MISSING

* Mammary Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
Harderian Gland		Adenoma	
[Adenoma TGLS = 1-14]			
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Infarct	Chronic, Moderate
[Eosinophilic Focus TGLS = 10-12]			
[Hepatocellular Adenoma TGLS = 9-5.1, 7-12]			
[Infarct TGLS = 8-12]			
* Lung	Interstitial	Inflammation	Focal, Mild
[Inflammation TGLS = 5+6-12,6]			
* Lymph Node, Mesenteric		Hemorrhage	Mild
[Hemorrhage TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 721

TRT#: 1

SEX: Male

DAY ON TEST: 676

DOSE: CONTROL MALE

DISP: Moribund Sacrifice

HISTO: MB85-0721

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Zymbal's Gland
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OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Brain		Mineralization	Focal, Mild
* Intestine Large, Cecum		Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 6-16]			
* Intestine Small, Ileum		Lymphoma Malignant Lymphocytic	
* Kidney			
Note: LEUKOCYTOSIS IS OBVIOUS, BUT CANNOT BE CODED FOR KIDNEY			
* Liver		Leukocytosis	Mild
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Focal, Mild
		Leukocytosis	Moderate
[Alveolar/Bronchiolar Adenoma TGLS = 5-13, 4-14]			
Lymph Node	Bronchial	Lymphoma Malignant Lymphocytic	
	Iliac	Lymphoma Malignant Lymphocytic	
	Pancreatic	Lymphoma Malignant Lymphocytic	
	Renal	Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 1-2,7-18,3-12,10-15,9-17,8-19]			
[Lymphoma Malignant Lymphocytic TGLS = 1-2,7-18,3-12,10-15,9-17,8-19]			
[Lymphoma Malignant Lymphocytic TGLS = 1-2,7-18,3-12,10-15,9-17,8-19]			
[Lymphoma Malignant Lymphocytic TGLS = 1-2,7-18,3-12,10-15,9-17,8-19]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 721

TRT#: 1

SEX: Male

DAY ON TEST: 676

DOSE: CONTROL MALE

DISP: Moribund Sacrifice

HISTO: MB85-0721

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular
[Lymphoma Malignant Lymphocytic TGLS = 1-2, 7-18, 3-12, 10-15]

Lymphoma Malignant Lymphocytic

* Lymph Node, Mesenteric
[Lymphoma Malignant Lymphocytic TGLS = 1-2, 7-18, 3-12, 10-15]

Lymphoma Malignant Lymphocytic

* Spleen
[Hematopoietic Cell Proliferation TGLS = 2-5]
[Lymphoma Malignant Lymphocytic TGLS = 2-5]

Hematopoietic Cell Proliferation
Lymphoma Malignant Lymphocytic

Moderate

* Thymus
Lymphoma Malignant Lymphocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 722	TRT#: 1	SEX: Male	DAY ON TEST: 388
	DOSE: CONTROL MALE	DISP: Natural Death	HISTO: MB85-0722

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
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OBSERVATIONS

* Nose		Congestion	Mild
* Testes	Seminif Tub	Degeneration	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 723

TRT#: 1

SEX: Male

DAY ON TEST: 739

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: MB85-0723

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Pancreas
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Zymbal's Gland			

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Kidney	Nephropathy	Minimal
* Liver	Clear Cell Focus	
	Eosinophilic Focus	
	Hepatocellular Carcinoma	
[Clear Cell Focus TGLS = 3-5]		
[Eosinophilic Focus TGLS = 2-5]		
[Hepatocellular Carcinoma TGLS = 1-5]		
* Stomach, Forestomach	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 4-4]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 724

TRT#: 1

SEX: Male

DAY ON TEST: 739

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: MB85-0724

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 5-5, 6-12]			
Preputial Gland	Duct	Dilatation	Marked
[Dilatation TGLS = 1-14]			
* Spleen		Hematopoietic Cell Proliferation	Mild
[Hematopoietic Cell Proliferation TGLS = 4-5]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 725	TRT#: 1	SEX: Male	DAY ON TEST: 739
	DOSE: CONTROL MALE	DISP: Terminal Sacrifice	HISTO: MB85-0725

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Zymbal's Gland
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OBSERVATIONS

* Liver	Eosinophilic Focus	
	Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 2-13]		
Preputial Gland	Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 1-12]		
* Prostate	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 726

TRT#: 1

SEX: Male

DAY ON TEST: 739

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: MB85-0726

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Brain
* Heart
* Intestine Small, Duodenum
* Kidney
* Nose
* Prostate
* Spleen
* Thymus
* Zymbal's Gland

* Adrenal Medulla
* Epididymis
* Intestine Large, Cecum
* Intestine Small, Ileum
* Liver
* Pancreas
* Salivary Glands
* Stomach, Forestomach
* Thyroid Gland

* Bone
* Esophagus
* Intestine Large, Colon
* Intestine Small, Jejunum
* Lung
* Parathyroid Gland
* Seminal Vesicle
* Stomach, Glandular
* Trachea

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

MISSING

* Mammary Gland

OBSERVATIONS

* Lymph Node, Mesenteric
[Hyperplasia TGLS = 1-7]

Hyperplasia

Lymphoid, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 727

TRT#: 1

SEX: Male

DAY ON TEST: 739

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: MB85-0727

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Brain
- * Heart
- * Intestine Small, Duodenum
- * Liver
- * Nose
- * Prostate
- * Spleen
- * Thymus
- * Zymbal's Gland

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

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

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

MISSING

- * Mammary Gland

OBSERVATIONS

* Kidney	Nephropathy	Minimal
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PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 728

TRT#: 1

SEX: Male

DAY ON TEST: 739

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: MB85-0728

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Zymbal's Gland			

MISSING

* Mammary Gland

OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Kidney	Nephropathy	Moderate
* Liver	Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 2-5]		
* Lymph Node, Mesenteric	Hemorrhage	Moderate
[Hemorrhage TGLS = 4-7]		
Preputial Gland	Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 1-12]		
* Stomach, Forestomach	Inflammation	Chronic Active, Focal, Mild
[Inflammation TGLS = 5-4]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 729

TRT#: 1

SEX: Male

DAY ON TEST: 739

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: MB85-0729

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Pancreas
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Parathyroid Gland	* Zymbal's Gland	
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OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
[Basophilic Focus TGLS = 2-5]			
[Clear Cell Focus TGLS = 2-5]			
[Eosinophilic Focus TGLS = 2-5]			
Preputial Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 1-12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 730

TRT#: 1

SEX: Male

DAY ON TEST: 739

DOSE: CONTROL MALE

DISP: Terminal Sacrifice

HISTO: MB85-0730

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Zymbal's Gland

MISSING

* Mammary Gland

OBSERVATIONS

* Brain	Mineralization	Focal, Minimal
* Heart	Cardiomyopathy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 741	TRT#: 2	SEX: Male	DAY ON TEST: 738
	DOSE: 1000 PPMLOW MALE	DISP: Terminal Sacrifice	HISTO: MB85-0741

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Lymph Node, Mandibular
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mesenteric	* Mammary Gland	* Zymbal's Gland
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OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Kidney	Nephropathy	Minimal
* Liver	Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 2,3-5,12]		
* Lung	Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 1-12]	Infiltration Cellular	Histiocyte, Focal, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 742

TRT#: 2

SEX: Male

DAY ON TEST: 738

DOSE: 1000 PPMLOW MALE

DISP: Terminal Sacrifice

HISTO: MB85-0742

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Zymbal's Gland			

MISSING

* Mammary Gland

OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Kidney	Nephropathy	Mild
* Lymph Node, Mesenteric [Lymphoma Malignant Mixed TGLS = 2-7]	Lymphoma Malignant Mixed	
* Prostate	Hyperplasia	Focal, Minimal
* Spleen [Hemangioma TGLS = 1-5]	Hemangioma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 743

TRT#: 2

SEX: Male

DAY ON TEST: 738

DOSE: 1000 PPMLOW MALE

DISP: Terminal Sacrifice

HISTO: MB85-0743

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

* Mammary Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
Preputial Gland	Duct	Dilatation	Mild
[Dilatation TGLS = 1-12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 744

TRT#: 2

SEX: Male

DAY ON TEST: 738

DOSE: 1000 PPMLOW MALE

DISP: Terminal Sacrifice

HISTO: MB85-0744

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Minimal
* Epididymis		Granuloma Sperm	Mild
* Intestine Large, Cecum		Hyperplasia	Lymphoid, Mild
* Pituitary Gland	Pars Nervosa	Cyst	
* Seminal Vesicle		Dilatation	Mild
[Dilatation TGLS = 1-8]			
* Testes		Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 745

TRT#: 2

SEX: Male

DAY ON TEST: 738

DOSE: 1000 PPMLOW MALE

DISP: Terminal Sacrifice

HISTO: MB85-0745

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

* Lymph Node, Mandibular	* Mammary Gland
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OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Skin	Inflammation	Chronic Active, Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 746

TRT#: 2

SEX: Male

DAY ON TEST: 738

DOSE: 1000 PPMLOW MALE

DISP: Terminal Sacrifice

HISTO: MB85-0746

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Zymbal's Gland		

MISSING

* Mammary Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
Eye	Lens	Cataract	Mild
[Cataract TGLS = 1-12]			
Harderian Gland		Adenoma	
[Adenoma TGLS = 2-12]			
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[Basophilic Focus TGLS = 5-5]			
[Hepatocellular Adenoma TGLS = 4-14, 6-15]			
* Lung		Alveolar/Bronchiolar Carcinoma	
[Alveolar/Bronchiolar Carcinoma TGLS = 7-6,13]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
Preputial Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 3-13]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 747	TRT#: 2	SEX: Male	DAY ON TEST: 738
	DOSE: 1000 PPMLOW MALE	DISP: Terminal Sacrifice	HISTO: MB85-0747

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Zymbal's Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Kidney		Nephropathy	Minimal
* Lung	Alveolar Epith	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 748

TRT#: 2

SEX: Male

DAY ON TEST: 738

DOSE: 1000 PPMLOW MALE

DISP: Terminal Sacrifice

HISTO: MB85-0748

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Zymbal's Gland
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OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Brain		Mineralization	Focal, Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
[Clear Cell Focus TGLS = 3-5]			
[Eosinophilic Focus TGLS = 3-5]			
[Hepatocellular Adenoma TGLS = 2-12]			
* Lung	Alveolar Epith	Hyperplasia	Focal, Mild
Preputial Gland	Duct	Dilatation	Mild
[Dilatation TGLS = 1-12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 749

TRT#: 2

SEX: Male

DAY ON TEST: 738

DOSE: 1000 PPMLOW MALE

DISP: Terminal Sacrifice

HISTO: MB85-0749

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

* Mammary Gland

OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Liver	Clear Cell Focus	
	Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 1-5]		
* Spleen	Developmental Malformation	
[Developmental Malformation TGLS = 2-5]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 750

TRT#: 2

SEX: Male

DAY ON TEST: 738

DOSE: 1000 PPMLOW MALE

DISP: Terminal Sacrifice

HISTO: MB85-0750

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Zymbal's Gland		

MISSING

* Mammary Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Kidney		Nephropathy	Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 3-6]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 1-2]			
Preputial Gland	Duct	Dilatation	Marked
[Dilatation TGLS = 2-12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 751

TRT#: 2

SEX: Male

DAY ON TEST: 689

DOSE: 1000 PPMLOW MALE

DISP: Natural Death

HISTO: MB85-0751

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Parathyroid Gland
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AUTO PRECLUDES DIAG.

* Intestine Small, Duodenum

OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Liver	Hepatocellular Adenoma	Multiple
	Sarcoma	Metastatic (Uncertain Primary Site)
[Hepatocellular Adenoma TGLS = 7-5]		
[Sarcoma TGLS = 11-5]		
* Lung	Sarcoma	Metastatic (Uncertain Primary Site)
[Sarcoma TGLS = 8,9,10-6,15,16]		
* Lymph Node, Mesenteric	Hemorrhage	Moderate
	Sarcoma	Metastatic (Uncertain Primary Site)
[Sarcoma TGLS = 2-7+12]		
Mesentery	Sarcoma	Metastatic (Uncertain Primary Site)
[Sarcoma TGLS = 4+5-14]		
* Pancreas	Sarcoma	Metastatic (Uncertain Primary Site)
[Sarcoma TGLS = 3-2]		
* Spleen	Sarcoma	Metastatic (Uncertain Primary Site)
Tissue NOS	Sarcoma	Metastatic (Uncertain Primary Site)
[Sarcoma TGLS = 6-13]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 751

TRT#: 2

SEX: Male

DAY ON TEST: 689

DOSE: 1000 PPMLOW MALE

DISP: Natural Death

HISTO: MB85-0751

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 752

TRT#: 2

SEX: Male

DAY ON TEST: 738

DOSE: 1000 PPMLOW MALE

DISP: Terminal Sacrifice

HISTO: MB85-0752

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Intestine Large, Colon	Diverticulum	Mild
* Kidney	Nephropathy	Minimal
* Liver	Hepatocellular Adenoma	

[Hepatocellular Adenoma TGLS = 2-5]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 753	TRT#: 2	SEX: Male	DAY ON TEST: 738
	DOSE: 1000 PPMLOW MALE	DISP: Terminal Sacrifice	HISTO: MB85-0753

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Thymus	* Zymbal's Gland
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OBSERVATIONS

* Adrenal Cortex	Hyperplasia	Focal, Moderate
* Brain	Mineralization	Focal, Minimal
* Liver	Hepatocellular Adenoma	Multiple
	Mixed Cell Focus	
[Hepatocellular Adenoma TGLS = 5,6-13]		
* Lung	Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 3-12]		
* Prostate	Dilatation	Mild
[Dilatation TGLS = 2-14]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 754

TRT#: 2

SEX: Male

DAY ON TEST: 738

DOSE: 1000 PPMLOW MALE

DISP: Terminal Sacrifice

HISTO: MB85-0754

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder	* Zymbal's Gland		

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Liver		Basophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Mixed Cell Focus	
[Basophilic Focus TGLS = 5-13.1]			
[Hepatocellular Adenoma TGLS = 3-14]			
[Hepatocellular Carcinoma TGLS = 4-14]			
[Mixed Cell Focus TGLS = 2-5]			
Preputial Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 1-12]			
* Spleen		Hyperplasia	Lymphoid, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 755

TRT#: 2

SEX: Male

DAY ON TEST: 738

DOSE: 1000 PPMLOW MALE

DISP: Terminal Sacrifice

HISTO: MB85-0755

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

* Mammary Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
Eye	Cornea	Inflammation	Chronic, Moderate
[Inflammation TGLS = 4-12]			
Harderian Gland		Adenoma	
[Adenoma TGLS = 3-12]			
* Liver		Mixed Cell Focus	
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 2-12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 756

TRT#: 2

SEX: Male

DAY ON TEST: 738

DOSE: 1000 PPMLOW MALE

DISP: Terminal Sacrifice

HISTO: MB85-0756

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Minimal
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 757

TRT#: 2

SEX: Male

DAY ON TEST: 738

DOSE: 1000 PPMLOW MALE

DISP: Terminal Sacrifice

HISTO: MB85-0757

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Zymbal's Gland			

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
Harderian Gland		Adenoma	
[Adenoma TGLS = 1-12]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 2-2]			
Preputial Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 3-12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 758	TRT#: 2	SEX: Male	DAY ON TEST: 455
	DOSE: 1000 PPMLOW MALE	DISP: Natural Death	HISTO: MB85-0758

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

Lymph Node	Renal	Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 5-12, 4-13]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 5-12, 4-13]			
* Spleen		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 3-5]			
* Thymus		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 2-11]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 759

TRT#: 2

SEX: Male

DAY ON TEST: 738

DOSE: 1000 PPMLOW MALE

DISP: Terminal Sacrifice

HISTO: MB85-0759

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Epididymis		Granuloma Sperm	Mild
* Intestine Small, Duodenum [Hyperplasia TGLS = 3-12]		Hyperplasia	Lymphoid, Marked
* Liver [Hepatocellular Adenoma TGLS = 4-5]		Hepatocellular Adenoma	
* Pituitary Gland	Pars Distalis	Cyst	
Preputial Gland [Dilatation TGLS = 1-12]	Duct	Dilatation	Mild
* Testes [Adenoma TGLS = 2-8]	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 760

TRT#: 2

SEX: Male

DAY ON TEST: 738

DOSE: 1000 PPMLOW MALE

DISP: Terminal Sacrifice

HISTO: MB85-0760

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Zymbal's Gland
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OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Kidney	Nephropathy	Minimal
* Liver	Hepatocellular Adenoma	
	Hepatocellular Carcinoma	
[Hepatocellular Adenoma TGLS = 2-12]		
[Hepatocellular Carcinoma TGLS = 1-5]		
* Prostate	Hyperplasia	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 761	TRT#: 2	SEX: Male	DAY ON TEST: 738
	DOSE: 1000 PPMLOW MALE	DISP: Terminal Sacrifice	HISTO: MB85-0761

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Zymbal's Gland
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OBSERVATIONS

* Kidney		Nephropathy	Minimal
Preputial Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 1-12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 762

TRT#: 2

SEX: Male

DAY ON TEST: 738

DOSE: 1000 PPMLOW MALE

DISP: Terminal Sacrifice

HISTO: MB85-0762

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Glandular	* Testes
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Kidney	Nephropathy	Minimal
* Liver	Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 2,3-5]		
* Lung	Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 4-12]		
Preputial Gland	Duct	Dilatation
[Dilatation TGLS = 1-12]		
* Stomach, Forestomach	Hyperplasia	Focal, Moderate
[Hyperplasia TGLS = 5-4,13]		
* Thyroid Gland	Follicular Cel	Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 763

TRT#: 2

SEX: Male

DAY ON TEST: 738

DOSE: 1000 PPMLOW MALE

DISP: Terminal Sacrifice

HISTO: MB85-0763

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Brain
* Heart
* Intestine Small, Duodenum
* Liver
* Nose
* Prostate
* Spleen
* Thyroid Gland

* Adrenal Medulla
* Epididymis
* Intestine Large, Cecum
* Intestine Small, Ileum
* Lung
* Pancreas
* Salivary Glands
* Stomach, Forestomach
* Trachea

* Bone
* Esophagus
* Intestine Large, Colon
* Intestine Small, Jejunum
* Lymph Node, Mandibular
* Parathyroid Gland
* Seminal Vesicle
* Stomach, Glandular
* Urinary Bladder

* Bone Marrow
* Gallbladder
* Intestine Large, Rectum
* Islets, Pancreatic
* Lymph Node, Mesenteric
* Pituitary Gland
* Skin
* Testes
* Zymbal's Gland

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Renal Tubule	Dilatation Nephropathy	Focal, Mild Minimal
[Dilatation TGLS = 2-12] Preputial Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 1-12] * Thymus		Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 764

TRT#: 2

SEX: Male

DAY ON TEST: 659

DOSE: 1000 PPMLOW MALE

DISP: Moribund Sacrifice

HISTO: MB85-0764

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Liver		Eosinophilic Focus Hemangiosarcoma	Metastatic (Spleen)
[Eosinophilic Focus TGLS = 7-5]			
[Hemangiosarcoma TGLS = 8-5]			
Preputial Gland	Duct	Dilatation	Mild
[Dilatation TGLS = 3-12]			
* Spleen		Hemangiosarcoma	
[Hemangiosarcoma TGLS = 4-5]			
Tissue NOS	Abdominal	Hemangiosarcoma	Metastatic (Spleen)
[Hemangiosarcoma TGLS = 5-13]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 765	TRT#: 2	SEX: Male	DAY ON TEST: 738
	DOSE: 1000 PPMLOW MALE	DISP: Terminal Sacrifice	HISTO: MB85-0765

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Pancreas
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Zymbal's Gland		

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Brain		Mineralization	Focal, Minimal
* Kidney	Renal Tubule	Adenoma	
		Nephropathy	Mild
[Adenoma TGLS = 2-13.1]			
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 1-5,12]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 766

TRT#: 2

SEX: Male

DAY ON TEST: 738

DOSE: 1000 PPMLOW MALE

DISP: Terminal Sacrifice

HISTO: MB85-0766

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Liver		Clear Cell Focus	
		Cytomegaly	Focal, Mild
		Eosinophilic Focus	
	[Cytomegaly TGLS = 2,3-12]		
	[Eosinophilic Focus TGLS = 2,3-12]		
* Lung		Alveolar/Bronchiolar Adenoma	
* Pancreas	Acinar Cell	Atrophy	Marked
* Pituitary Gland	Pars Distalis	Cyst	
Preputial Gland	Duct	Dilatation	Moderate
	[Dilatation TGLS = 1-13]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 767

TRT#: 2

SEX: Male

DAY ON TEST: 738

DOSE: 1000 PPMLOW MALE

DISP: Terminal Sacrifice

HISTO: MB85-0767

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Pituitary Gland	* Thymus	* Zymbal's Gland
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OBSERVATIONS

* Adrenal Cortex		Adenoma	
Harderian Gland	Bilateral	Adenoma	
[Adenoma TGLS = 3-18, 4-17]			
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 12,13,14-13,11-5]			
* Lymph Node, Mandibular		Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 2-2, 9-7]			
* Lymph Node, Mesenteric		Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 2-2, 9-7]			
Preputial Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 7-12]			
* Skin		Inflammation	Chronic Active, Focal, Moderate
	Subcut Tiss	Lymphoma Malignant Lymphocytic	
[Inflammation TGLS = 1-14]			
[Lymphoma Malignant Lymphocytic TGLS = 5-16, 6-15]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Mild
[Hematopoietic Cell Proliferation TGLS = 8-5]			
[Hyperplasia TGLS = 8-5]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 767

TRT#: 2

SEX: Male

DAY ON TEST: 738

DOSE: 1000 PPMLOW MALE

DISP: Terminal Sacrifice

HISTO: MB85-0767

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 768

TRT#: 2

SEX: Male

DAY ON TEST: 738

DOSE: 1000 PPMLOW MALE

DISP: Terminal Sacrifice

HISTO: MB85-0768

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Zymbal's Gland			

MISSING

* Mammary Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Kidney	Renal Tubule	Adenoma	
[Adenoma TGLS = 4-15]			
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 6-5]			
Preputial Gland	Duct	Dilatation	Mild
[Dilatation TGLS = 2-14]			
* Skin		Inflammation	Chronic Active, Focal, Mild
[Inflammation TGLS = 1-13]			
* Stomach, Forestomach		Ulcer	Focal, Mild
[Ulcer TGLS = 5-12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 769

TRT#: 2

SEX: Male

DAY ON TEST: 738

DOSE: 1000 PPMLOW MALE

DISP: Terminal Sacrifice

HISTO: MB85-0769

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Nose	* Pancreas	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland	* Parathyroid Gland	* Zymbal's Gland
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OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Kidney	Nephropathy	Minimal
* Lung	Alveolar/Bronchiolar Carcinoma	
	Infiltration Cellular	Histiocyte, Focal, Mild
[Alveolar/Bronchiolar Carcinoma TGLS = 3-12]		
* Lymph Node, Mesenteric	Hyperplasia	Lymphoid, Mild
Preputial Gland	Duct	Moderate
[Dilatation TGLS = 1-13]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 770	TRT#: 2	SEX: Male	DAY ON TEST: 738
	DOSE: 1000 PPMLOW MALE	DISP: Terminal Sacrifice	HISTO: MB85-0770

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Zymbal's Gland
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OBSERVATIONS

* Brain		Mineralization	Focal, Mild
Preputial Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 1-12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 771	TRT#: 2	SEX: Male	DAY ON TEST: 738
	DOSE: 1000 PPMLOW MALE	DISP: Terminal Sacrifice	HISTO: MB85-0771

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Parathyroid Gland	* Zymbal's Gland
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OBSERVATIONS

* Brain	Mineralization	Focal, Minimal
* Liver	Hepatocellular Adenoma	Multiple
	Mixed Cell Focus	
[Hepatocellular Adenoma TGLS = 2,3-5]		
[Mixed Cell Focus TGLS = 1-5]		
* Testes	Atrophy	Focal, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 772	TRT#: 2	SEX: Male	DAY ON TEST: 738
	DOSE: 1000 PPMLOW MALE	DISP: Terminal Sacrifice	HISTO: MB85-0772

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal 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	* Lymph Node, Mandibular
* Nose	* Pancreas	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Zymbal's Gland

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex	Capsule	Adenoma	
* Brain		Mineralization	Focal, Mild
* Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 3-13]			
* Lung		Alveolar/Bronchiolar Carcinoma	
[Alveolar/Bronchiolar Carcinoma TGLS = 4-6, 5,6-12]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
Preputial Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 2-12]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 773

TRT#: 2

SEX: Male

DAY ON TEST: 738

DOSE: 1000 PPMLOW MALE

DISP: Terminal Sacrifice

HISTO: MB85-0773

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

* Mammary Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Epididymis		Inflammation	Chronic, Focal, Mild
		Sarcoma	
[Sarcoma TGLS = 3-8]			
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 4-6]			
* Lymph Node, Mandibular		Hemorrhage	Mild
[Hemorrhage TGLS = 1-2]			
* Lymph Node, Mesenteric		Hemorrhage	Mild
[Hemorrhage TGLS = 1-2]			
Preputial Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 2-12]			
* Spleen		Hyperplasia	Lymphoid, Mild
* Thymus		Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 774

TRT#: 2

SEX: Male

DAY ON TEST: 738

DOSE: 1000 PPMLOW MALE

DISP: Terminal Sacrifice

HISTO: MB85-0774

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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
* Lymph Node, Mandibular	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Zymbal's Gland			

MISSING

* Mammary Gland

OBSERVATIONS

* Brain	Mineralization	Focal, Minimal
* Liver	Eosinophilic Focus	
* Lung	Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 1-12]		
* Lymph Node, Mesenteric	Hyperplasia	Lymphoid, Mild
* Prostate	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 775

TRT#: 2

SEX: Male

DAY ON TEST: 738

DOSE: 1000 PPMLOW MALE

DISP: Terminal Sacrifice

HISTO: MB85-0775

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Zymbal's Gland			

MISSING

* Mammary Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 5-12, 2-13, 3,4-5]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
Preputial Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 1-12]			
* Stomach, Forestomach		Hyperplasia	Focal, Mild
[Squamous Cell Papilloma TGLS = 6-13.1]		Squamous Cell Papilloma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 776

TRT#: 2

SEX: Male

DAY ON TEST: 738

DOSE: 1000 PPMLOW MALE

DISP: Terminal Sacrifice

HISTO: MB85-0776

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

* Mammary Gland

OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Liver	Clear Cell Focus	
	Eosinophilic Focus	
* Spleen	Hyperplasia	Lymphoid, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 777

TRT#: 2

SEX: Male

DAY ON TEST: 739

DOSE: 1000 PPMLOW MALE

DISP: Terminal Sacrifice

HISTO: MB85-0777

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Zymbal's Gland
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OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Kidney	Nephropathy	Minimal
* Liver	Angiectasis	Focal, Mild
	Hepatocellular Adenoma	

[Hepatocellular Adenoma TGLS = 1-12]

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 778

TRT#: 2

SEX: Male

DAY ON TEST: 739

DOSE: 1000 PPMLOW MALE

DISP: Terminal Sacrifice

HISTO: MB85-0778

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

* Gallbladder	* Mammary Gland
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OBSERVATIONS

* Brain	Mineralization	Focal, Minimal
* Liver	Basophilic Focus	
	Hepatocellular Adenoma	

[Hepatocellular Adenoma TGLS = 1-5]

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 779

TRT#: 2

SEX: Male

DAY ON TEST: 739

DOSE: 1000 PPMLOW MALE

DISP: Terminal Sacrifice

HISTO: MB85-0779

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

* Mammary Gland

OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Liver	Eosinophilic Focus	
	Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 3-5, 4-12, 2-13]		
Preputial Gland	Dilatation	Moderate
[Dilatation TGLS = 1-12]		
* Prostate	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 780	TRT#: 2	SEX: Male	DAY ON TEST: 739
	DOSE: 1000 PPMLOW MALE	DISP: Terminal Sacrifice	HISTO: MB85-0780

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Gallbladder	* Mammary Gland	* Zymbal's Gland
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OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Brain		Mineralization	Focal, Mild
* Kidney		Nephropathy	Minimal
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
[Alveolar/Bronchiolar Adenoma TGLS = 2-6]			
Preputial Gland	Duct	Dilatation	Mild
[Dilatation TGLS = 1-12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 781	TRT#: 2	SEX: Male	DAY ON TEST: 739
	DOSE: 1000 PPMLOW MALE	DISP: Terminal Sacrifice	HISTO: MB85-0781

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Gallbladder	* Mammary Gland	* Zymbal's Gland
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OBSERVATIONS

* Bone Marrow		Angiectasis	Focal, Mild
* Brain		Mineralization	Focal, Minimal
* Liver		Eosinophilic Focus	
		Fatty Change	Focal, Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Focal, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 782

TRT#: 2

SEX: Male

DAY ON TEST: 653

DOSE: 1000 PPMLOW MALE

DISP: Moribund Sacrifice

HISTO: MB85-0782

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Bone Marrow	Hyperplasia	Mild
* Brain	Mineralization	Focal, Mild
* Liver	Hematopoietic Cell Proliferation	Moderate
* Lung	Sarcoma	Metastatic (Skeletal Muscle)
Skeletal Muscle	Sarcoma	
[Sarcoma TGLS = 3-12]		
* Spleen	Hematopoietic Cell Proliferation	Mild
[Hematopoietic Cell Proliferation TGLS = 1-5]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 783	TRT#: 2	SEX: Male	DAY ON TEST: 739
	DOSE: 1000 PPMLOW MALE	DISP: Terminal Sacrifice	HISTO: MB85-0783

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Prostate	* Zymbal's Gland
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OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Kidney	Renal Tubule	Carcinoma	
[Carcinoma TGLS = 3-8]			
* Liver		Eosinophilic Focus	
[Eosinophilic Focus TGLS = 2-12]			
Preputial Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 1-12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 784

TRT#: 2

SEX: Male

DAY ON TEST: 739

DOSE: 1000 PPMLOW MALE

DISP: Terminal Sacrifice

HISTO: MB85-0784

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Pituitary Gland
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OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Epididymis	Inflammation	Chronic, Focal, Mild
* Kidney	Nephropathy	Minimal
* Liver	Mixed Cell Focus	
[Mixed Cell Focus TGLS = 2-5]		
* Stomach, Forestomach	Hyperplasia	Focal, Moderate
[Hyperplasia TGLS = 3-12.1]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 785

TRT#: 2

SEX: Male

DAY ON TEST: 739

DOSE: 1000 PPMLOW MALE

DISP: Terminal Sacrifice

HISTO: MB85-0785

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

* Mammary Gland

OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Lymph Node, Mandibular [Hyperplasia TGLS = 1-2]	Hyperplasia	Lymphoid, Moderate
* Spleen	Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 786

TRT#: 2

SEX: Male

DAY ON TEST: 739

DOSE: 1000 PPMLOW MALE

DISP: Terminal Sacrifice

HISTO: MB85-0786

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal 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	* Pancreas	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	* Zymbal's Gland

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex	Accessory Adrenal Cortical Nodule	
* Brain	Mineralization	Focal, Mild
* Kidney	Nephropathy	Minimal
* Liver	Clear Cell Focus	
	Hepatocellular Adenoma	Multiple

Note: [Hepatoclr Aden] TGLs = 2-5,4-13

[Clear Cell Focus TGLS = 3-12]

* Thyroid Gland	Follicular Cel	Adenoma
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[Adenoma TGLS = 1-2]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 787

TRT#: 2

SEX: Male

DAY ON TEST: 739

DOSE: 1000 PPMLOW MALE

DISP: Terminal Sacrifice

HISTO: MB85-0787

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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
* Lymph Node, Mandibular	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Zymbal's Gland		

MISSING

* Mammary Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Liver		Eosinophilic Focus	
[Eosinophilic Focus TGLS = 3-12]			
* Lung	Interstitial	Inflammation	Focal, Minimal
* Lymph Node, Mesenteric		Hemorrhage	Mild
[Hemorrhage TGLS = 2-7]			
Preputial Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 1-12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 788

TRT#: 2

SEX: Male

DAY ON TEST: 739

DOSE: 1000 PPMLOW MALE

DISP: Terminal Sacrifice

HISTO: MB85-0788

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Zymbal's Gland

MISSING

* Mammary Gland

OBSERVATIONS

* Brain	Mineralization	Focal, Minimal
* Kidney	Nephropathy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 789

TRT#: 2

SEX: Male

DAY ON TEST: 739

DOSE: 1000 PPMLOW MALE

DISP: Terminal Sacrifice

HISTO: MB85-0789

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Zymbal's Gland
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OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Intestine Small, Duodenum	Adenoma	
[Adenoma TGLS = 1-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 790

TRT#: 2

SEX: Male

DAY ON TEST: 739

DOSE: 1000 PPMLOW MALE

DISP: Terminal Sacrifice

HISTO: MB85-0790

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Zymbal's Gland		

MISSING

* Mammary Gland

OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Kidney	Nephropathy	Minimal
* Liver	Eosinophilic Focus	
[Eosinophilic Focus TGLS = 2-5]		
* Lymph Node, Mesenteric	Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 1-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 801	TRT#: 3	SEX: Male	DAY ON TEST: 737
	DOSE: 3000 PPM MID MALE	DISP: Terminal Sacrifice	HISTO: MB85-0801

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	* Zymbal's Gland

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Heart		Inflammation	Chronic Active, Focal, Mild
* Kidney		Nephropathy	Minimal
* Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
* Thyroid Gland	Follicle	Dilatation	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 802	TRT#: 3	SEX: Male	DAY ON TEST: 737
	DOSE: 3000 PPMID MALE	DISP: Terminal Sacrifice	HISTO: MB85-0802

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	* Zymbal's Gland

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Kidney	Nephropathy	Minimal
* Liver	Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 2-5]		
* Lung	Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 1-12]		
* Spleen	Hyperplasia	Lymphoid, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 803

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 3000 PPM MID MALE

DISP: Terminal Sacrifice

HISTO: MB85-0803

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
Harderian Gland		Adenoma	
[Adenoma TGLS = 4-12]			
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 2,3-5]			
Preputial Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 1-13]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 804

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 3000 PPM MID MALE

DISP: Terminal Sacrifice

HISTO: MB85-0804

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Zymbal's Gland		

MISSING

* Mammary Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Kidney	Renal Tubule	Dilatation Nephropathy	Focal, Moderate Mild
[Dilatation TGLS = 5-8]			
* Liver		Clear Cell Focus Eosinophilic Focus Hepatocellular Adenoma	Multiple
[Clear Cell Focus TGLS = 2-5]			
[Eosinophilic Focus TGLS = 3-5]			
[Hepatocellular Adenoma TGLS = 4-12,5]			
* Testes		Angiectasis	Focal, Mild
[Angiectasis TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 805

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 3000 PPM MID MALE

DISP: Terminal Sacrifice

HISTO: MB85-0805

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

* Mammary Gland

OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Kidney	Nephropathy	Mild
* Liver	Basophilic Focus	
	Hepatocellular Adenoma	

[Basophilic Focus TGLS = 2-5]

[Hepatocellular Adenoma TGLS = 1-5]

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 806

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 3000 PPM MID MALE

DISP: Terminal Sacrifice

HISTO: MB85-0806

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal 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	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Hyperplasia	Focal, Mild
* Brain	Mineralization	Focal, Mild
* Kidney	Nephropathy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 807

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 3000 PPM MID MALE

DISP: Terminal Sacrifice

HISTO: MB85-0807

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Zymbal's Gland

MISSING

* Mammary Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 2-12]			
Preputial Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 1-12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 808

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 3000 PPM MID MALE

DISP: Terminal Sacrifice

HISTO: MB85-0808

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

* Mammary Gland

OBSERVATIONS

* Brain	Mineralization	Focal, Minimal
* Kidney	Nephropathy	Minimal
* Lymph Node, Mandibular	Hyperplasia	Lymphoid, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 809

TRT#: 3

SEX: Male

DAY ON TEST: 646

DOSE: 3000 PPM MID MALE

DISP: Moribund Sacrifice

HISTO: MB85-0809

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

INSUFFICIENT TISSUE

* Gallbladder	* Mammary Gland	* Pituitary Gland
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OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Heart	Sarcoma	
* Liver	Hemangiosarcoma	
	Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 3-5, 6-5, 4-12, 5-12]		
* Lung	Hepatocellular Carcinoma	Metastatic (Liver)
* Spleen	Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 810

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 3000 PPM MID MALE

DISP: Terminal Sacrifice

HISTO: MB85-0810

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

* Mammary Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Kidney		Nephropathy	Minimal
* Lung	Interstitialium	Inflammation	Focal, Minimal
Preputial Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 1-12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 811

TRT#: 3

SEX: Male

DAY ON TEST: 511

DOSE: 3000 PPM MID MALE

DISP: Natural Death

HISTO: MB85-0811

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

AUTO PRECLUDES DIAG.

* Intestine Small, Duodenum	* Intestine Small, Ileum
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INSUFFICIENT TISSUE

* Mammary Gland	* Parathyroid Gland
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 812

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 3000 PPMID MALE

DISP: Terminal Sacrifice

HISTO: MB85-0812

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Gallbladder	* Mammary Gland	* Zymbal's Gland
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OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Kidney	Nephropathy	Minimal
* Liver	Eosinophilic Focus	
	Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 4-5]		
* Spleen	Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 2-5]		
* Thymus	Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 1-3]		
Tissue NOS	Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 3-3]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 813

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 3000 PPM MID MALE

DISP: Terminal Sacrifice

HISTO: MB85-0813

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Zymbal's Gland		

MISSING

* Mammary Gland

OBSERVATIONS

* Brain	Mineralization	Focal, Minimal
* Kidney	Nephropathy	Minimal
* Liver	Fatty Change	Focal, Minimal
	Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 1-5]		
* Lung	Alveolar Epith	Hyperplasia
		Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 814

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 3000 PPM MID MALE

DISP: Terminal Sacrifice

HISTO: MB85-0814

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Zymbal's Gland			

MISSING

* Mammary Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Necrosis	Focal, Mild
[Hepatocellular Adenoma TGLS = 3,4,5-5]			
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Focal, Mild
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 2-2]			
Preputial Gland	Duct	Dilatation	Marked
[Dilatation TGLS = 1-12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 815

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 3000 PPM MID MALE

DISP: Terminal Sacrifice

HISTO: MB85-0815

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Thymus	* Zymbal's Gland
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OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Kidney	Nephropathy	Minimal
* Liver	Clear Cell Focus	
	Eosinophilic Focus	
	Fatty Change	Focal, Minimal
	Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 3-17,15,14,5]		
Preputial Gland	Dilatation	Moderate
[Dilatation TGLS = 1-13]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 816

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 3000 PPM MID MALE

DISP: Terminal Sacrifice

HISTO: MB85-0816

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Kidney	* Lymph Node, Mesenteric
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

* Mammary Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
Eye	Cornea	Inflammation	Chronic, Moderate
[Inflammation TGLS = 1-13]			
Harderian Gland		Adenoma	
[Adenoma TGLS = 9-13]			
* Islets, Pancreatic		Hyperplasia	Focal, Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 7-5,11-16]		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 8,10-15, 5,6-5]			
* Lung		Infiltration Cellular	Histiocyte, Focal, Minimal
Lymph Node		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 2-12]			
* Lymph Node, Mandibular		Cyst	
[Cyst TGLS = 3-12]			
* Nose		Inflammation	Acute, Focal, Minimal
* Pancreas		Cyst	
Preputial Gland	Duct	Dilatation	Moderate
		Inflammation	Chronic Active, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 816

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 3000 PPM MID MALE

DISP: Terminal Sacrifice

HISTO: MB85-0816

ORGAN AND ACCOUNTABLE SITE STATUS

[Dilatation TGLS = 4-14]

[Inflammation TGLS = 4-14]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 817

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 3000 PPM MID MALE

DISP: Terminal Sacrifice

HISTO: MB85-0817

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland	* Zymbal's Gland
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OBSERVATIONS

* Brain	Mineralization	Focal, Minimal
* Kidney	Nephropathy	Minimal
* Prostate	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 818

TRT#: 3

SEX: Male

DAY ON TEST: 704

DOSE: 3000 PPMID MALE

DISP: Moribund Sacrifice

HISTO: MB85-0818

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Zymbal's Gland

OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Liver	Eosinophilic Focus	
[Hepatocellular Adenoma TGLS = 1,8-5]	Hepatocellular Adenoma	Multiple
* Lung	Alveolar/Bronchiolar Carcinoma	
[Alveolar/Bronchiolar Carcinoma TGLS = 4-15,6]		
Lymph Node	Bronchial	Metastatic (Lung)
	Mediastinal	Metastatic (Lung)
[Alveolar/Bronchiolar Carcinoma TGLS = 6-12,5-3,14,3-13]	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
[Alveolar/Bronchiolar Carcinoma TGLS = 6-12,5-3,14,3-13]		
[Alveolar/Bronchiolar Carcinoma TGLS = 6-12,5-3,14,3-13]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 819

TRT#: 3

SEX: Male

DAY ON TEST: 738

DOSE: 3000 PPM MID MALE

DISP: Terminal Sacrifice

HISTO: MB85-0819

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Zymbal's Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Chronic, Focal, Mild
Preputial Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 1-12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 820

TRT#: 3

SEX: Male

DAY ON TEST: 738

DOSE: 3000 PPM MID MALE

DISP: Terminal Sacrifice

HISTO: MB85-0820

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal 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	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Zymbal's Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Minimal
* Brain		Mineralization	Focal, Mild
* Kidney		Infarct	Chronic, Focal, Mild
		Nephropathy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 821

TRT#: 3

SEX: Male

DAY ON TEST: 738

DOSE: 3000 PPM MID MALE

DISP: Terminal Sacrifice

HISTO: MB85-0821

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Zymbal's Gland			

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
[Eosinophilic Focus TGLS = 4-5]			
* Lung		Alveolar/Bronchiolar Adenoma	
	Interstitialium	Inflammation	Focal, Mild
[Alveolar/Bronchiolar Adenoma TGLS = 3-12]			
Preputial Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 1-12]			
* Prostate		Hyperplasia	Focal, Minimal
* Testes	Interstitial Cell	Adenoma	
[Adenoma TGLS = 2-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 822	TRT#: 3	SEX: Male	DAY ON TEST: 702
	DOSE: 3000 PPMID MALE	DISP: Natural Death	HISTO: MB85-0822

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Kidney		Nephropathy	Moderate
* Liver		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 2-5]			
Preputial Gland	Duct	Dilatation	Mild
[Dilatation TGLS = 1-12]			
* Testes		Degeneration	Focal, Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Focal, Minimal
* Zymbal's Gland	Duct	Dilatation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 823

TRT#: 3

SEX: Male

DAY ON TEST: 738

DOSE: 3000 PPM MID MALE

DISP: Terminal Sacrifice

HISTO: MB85-0823

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

* Mammary Gland	* Pituitary Gland
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OBSERVATIONS

* Brain		Mineralization	Focal, Minimal
* Kidney	Renal Tubule	Dilatation	Focal, Moderate
[Dilatation TGLS = 3-8]			
Preputial Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 1-12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 824

TRT#: 3

SEX: Male

DAY ON TEST: 622

DOSE: 3000 PPM MID MALE

DISP: Natural Death

HISTO: MB85-0824

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Medulla	Hyperplasia	Focal, Mild
* Kidney	Mineralization	Focal, Minimal
* Liver	Fatty Change	Focal, Mild
	Hepatocellular Carcinoma	
	Necrosis	Focal, Moderate
[Hepatocellular Carcinoma TGLS = 3-5]		
[Necrosis TGLS = 2-5]		
* Lung	Hepatocellular Carcinoma	Metastatic (Liver)
[Hepatocellular Carcinoma TGLS = 4-6, 5-12]		
* Lymph Node, Mesenteric	Hemorrhage	Moderate
* Nose	Inflammation	Acute, Focal, Mild
Preputial Gland	Dilatation	Moderate
[Dilatation TGLS = 1-13]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 825

TRT#: 3

SEX: Male

DAY ON TEST: 738

DOSE: 3000 PPM MID MALE

DISP: Terminal Sacrifice

HISTO: MB85-0825

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Zymbal's Gland		

MISSING

* Mammary Gland

OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Kidney	Nephropathy	Minimal
* Lung	Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 3-12]		
* Stomach, Forestomach	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 826

TRT#: 3

SEX: Male

DAY ON TEST: 738

DOSE: 3000 PPM MID MALE

DISP: Terminal Sacrifice

HISTO: MB85-0826

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Zymbal's Gland

OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Intestine Small, Jejunum [Lymphoma Malignant Lymphocytic TGLS = 1-13]	Lymphoma Malignant Lymphocytic	
* Liver [Hepatocellular Carcinoma TGLS = 2-12]	Hepatocellular Carcinoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 827

TRT#: 3

SEX: Male

DAY ON TEST: 738

DOSE: 3000 PPM MID MALE

DISP: Terminal Sacrifice

HISTO: MB85-0827

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

* Mammary Gland

OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Kidney	Nephropathy	Minimal
* Liver	Eosinophilic Focus	
[Eosinophilic Focus TGLS = 2-5.1]		
Preputial Gland	Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 1-12]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 828

TRT#: 3

SEX: Male

DAY ON TEST: 738

DOSE: 3000 PPM MID MALE

DISP: Terminal Sacrifice

HISTO: MB85-0828

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Zymbal's Gland			

MISSING

* Mammary Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Kidney		Nephropathy	Minimal
* Skin	Subcut Tiss	Hemangiosarcoma	
[Hemangiosarcoma TGLS = 1-7]			
* Thymus		Cyst	
* Urinary Bladder		Dilatation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 829

TRT#: 3

SEX: Male

DAY ON TEST: 650

DOSE: 3000 PPM MID MALE

DISP: Natural Death

HISTO: MB85-0829

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Heart	* Intestine Large, Colon
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Zymbal's Gland

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum		

OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Kidney Note: THE COLOR CHANGE IN THE KIDNEYS IS DUE TO P.M. AUTOLYSIS.		
* Liver [Necrosis TGLS = 2-5]	Necrosis	Focal, Moderate
* Spleen Note: THE COLOR CHANGE IN THE SPLEEN IS DUE TO P.M. AUTOLYSIS.	Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach [Ulcer TGLS = 4-12]	Ulcer	Focal, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 830

TRT#: 3

SEX: Male

DAY ON TEST: 738

DOSE: 3000 PPM MID MALE

DISP: Terminal Sacrifice

HISTO: MB85-0830

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Nephropathy	Minimal
* Liver	Angiectasis	Focal, Mild
	Mixed Cell Focus	

[Angiectasis TGLS = 1-5]

[Mixed Cell Focus TGLS = 1-5]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 831

TRT#: 3

SEX: Male

DAY ON TEST: 738

DOSE: 3000 PPM MID MALE

DISP: Terminal Sacrifice

HISTO: MB85-0831

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Hypertrophy	Focal, Mild
* Brain	Mineralization	Focal, Minimal
* Prostate	Hyperplasia	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 832

TRT#: 3

SEX: Male

DAY ON TEST: 738

DOSE: 3000 PPM MID MALE

DISP: Terminal Sacrifice

HISTO: MB85-0832

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Zymbal's Gland		

MISSING

* Gallbladder	* Mammary Gland
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OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Kidney		Nephropathy	Minimal
Preputial Gland	Duct	Dilatation	Marked
[Dilatation TGLS = 1-12]			
* Prostate		Hyperplasia	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 833

TRT#: 3

SEX: Male

DAY ON TEST: 738

DOSE: 3000 PPM MID MALE

DISP: Terminal Sacrifice

HISTO: MB85-0833

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder
* Zymbal's Gland			

MISSING

* Mammary Gland

OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Kidney	Nephropathy	Minimal
* Liver	Clear Cell Focus	
	Eosinophilic Focus	
	Hepatocellular Adenoma	
[Clear Cell Focus TGLS = 3-5]		
[Eosinophilic Focus TGLS = 3-5]		
[Hepatocellular Adenoma TGLS = 3-12]		
* Lung	Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 2-12]		
* Thymus	Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 834

TRT#: 3

SEX: Male

DAY ON TEST: 738

DOSE: 3000 PPM MID MALE

DISP: Terminal Sacrifice

HISTO: MB85-0834

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
Preputial Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 1-12]			
* Zymbal's Gland		Inflammation	Chronic Active, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 835

TRT#: 3

SEX: Male

DAY ON TEST: 738

DOSE: 3000 PPM MID MALE

DISP: Terminal Sacrifice

HISTO: MB85-0835

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Pancreas	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Zymbal's Gland			

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLS = 3-12]		
	[Hepatocellular Carcinoma TGLS = 2-13]		
* Nose		Inflammation	Acute, Focal, Minimal
Preputial Gland	Duct	Dilatation	Mild
	[Dilatation TGLS = 1-14]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 836

TRT#: 3

SEX: Male

DAY ON TEST: 686

DOSE: 3000 PPM MID MALE

DISP: Moribund Sacrifice

HISTO: MB85-0836

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Thymus	* Zymbal's Gland
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OBSERVATIONS

* Brain	Mineralization	Focal, Minimal
Harderian Gland	Adenoma	
[Adenoma TGLS = 4-13]		
* Kidney	Infarct	Chronic, Focal, Mild
* Liver	Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 2-5]	Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 3-5]		
Preputial Gland	Duct	Dilatation
[Dilatation TGLS = 1-12]		Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 837

TRT#: 3

SEX: Male

DAY ON TEST: 738

DOSE: 3000 PPM MID MALE

DISP: Terminal Sacrifice

HISTO: MB85-0837

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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
* Lung	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder
* Zymbal's Gland			

MISSING

* Lymph Node, Mandibular	* Mammary Gland	* Thymus
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OBSERVATIONS

* Brain	Mineralization	Focal, Minimal
* Liver [Hepatocellular Carcinoma TGLS = 2-5]	Hepatocellular Carcinoma	
* Lymph Node, Mesenteric [Hemorrhage TGLS = 3-7]	Hemorrhage	Moderate
Preputial Gland [Dilatation TGLS = 1-12]	Duct Dilatation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 838

TRT#: 3

SEX: Male

DAY ON TEST: 738

DOSE: 3000 PPMID MALE

DISP: Terminal Sacrifice

HISTO: MB85-0838

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Pituitary Gland
* Prostate	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Zymbal's Gland

MISSING

* Mammary Gland

OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Kidney	Nephropathy	Minimal
* Liver	Clear Cell Focus	
	Hepatocellular Adenoma	Multiple
	Mixed Cell Focus	
[Hepatocellular Adenoma TGLS = 3-13,12,5]		
[Mixed Cell Focus TGLS = 3-12,5]		
* Lung	Alveolar/Bronchiolar Carcinoma	
[Alveolar/Bronchiolar Carcinoma TGLS = 1-15,6]		
* Parathyroid Gland	Cyst	
* Seminal Vesicle	Dilatation	Marked
[Dilatation TGLS = 2-14]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 839

TRT#: 3

SEX: Male

DAY ON TEST: 738

DOSE: 3000 PPM/ID MALE

DISP: Terminal Sacrifice

HISTO: MB85-0839

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Zymbal's Gland			

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Kidney	Renal Tubule	Adenoma	
	Renal Tubule	Dilatation	Focal, Mild
		Nephropathy	Mild
[Adenoma TGLS = 8-6,8]			
[Dilatation TGLS = 9-15]			
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[Eosinophilic Focus TGLS = 5,10-12]			
[Hepatocellular Adenoma TGLS = 3,4-5, 7-13, 6-14]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 2-2]			
Preputial Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 1-16]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 840

TRT#: 3

SEX: Male

DAY ON TEST: 738

DOSE: 3000 PPM MID MALE

DISP: Terminal Sacrifice

HISTO: MB85-0840

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
Preputial Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 1-12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 841	TRT#: 3	SEX: Male	DAY ON TEST: 738
	DOSE: 3000 PPM MID MALE	DISP: Terminal Sacrifice	HISTO: MB85-0841

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Zymbal's Gland
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OBSERVATIONS

* Brain	Hemorrhage	Focal, Mild
	Mineralization	Focal, Minimal
* Lung	Alveolar/Bronchiolar Adenoma	
* Prostate	Hyperplasia	Focal, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 842	TRT#: 3	SEX: Male	DAY ON TEST: 738
	DOSE: 3000 PPMID MALE	DISP: Terminal Sacrifice	HISTO: MB85-0842

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Zymbal's Gland

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Brain	Mineralization	Focal, Minimal
* Kidney	Nephropathy	Minimal
* Liver	Eosinophilic Focus	
	Hepatocellular Carcinoma	
	Necrosis	Focal, Marked
Note: WAS ACTUALLY A NECROTIC LIVER LOBE PROBABLY DUE TO TORSION		
Note: WHAT WAS THOUGHT TO BE A MESENTERIC NODULE		
[Hepatocellular Carcinoma TGLS = 3-13]		
[Necrosis TGLS = 1-12]		
* Lung	Hepatocellular Carcinoma	Metastatic (Liver)
* Spleen	Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 2-5]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 843

TRT#: 3

SEX: Male

DAY ON TEST: 738

DOSE: 3000 PPM MID MALE

DISP: Terminal Sacrifice

HISTO: MB85-0843

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Parathyroid Gland	* Zymbal's Gland
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OBSERVATIONS

* Brain	Mineralization	Focal, Minimal
Harderian Gland	Adenoma	
[Adenoma TGLS = 2-12]		
* Kidney		
Note: ONLY ONE KIDNEY PRESENT AT NECROPSY.		
* Liver	Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 3-13, 4,5-5]		
* Lung	Alveolar/Bronchiolar Adenoma	
* Lymph Node, Mandibular	Hyperplasia	Lymphoid, Mild
* Prostate	Hyperplasia	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 844

TRT#: 3

SEX: Male

DAY ON TEST: 738

DOSE: 3000 PPM MID MALE

DISP: Terminal Sacrifice

HISTO: MB85-0844

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

Preputial Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 1-12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 845	TRT#: 3	SEX: Male	DAY ON TEST: 655
	DOSE: 3000 PPM MID MALE	DISP: Natural Death	HISTO: MB85-0845

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Gallbladder	* Intestine Large, Colon
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Zymbal's Gland		

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
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OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Heart		Inflammation	Acute, Focal, Moderate
* Liver		Basophilic Focus	
		Leukocytosis	Mild
[Basophilic Focus TGLS = 2-5]			
[Leukocytosis TGLS = 3-5]			
* Lung		Leukocytosis	Mild
[Leukocytosis TGLS = 1-6+13]			
Preputial Gland	Duct	Dilatation	Mild
[Dilatation TGLS = 4-12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 846	TRT#: 3	SEX: Male	DAY ON TEST: 738
	DOSE: 3000 PPM MID MALE	DISP: Terminal Sacrifice	HISTO: MB85-0846

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Hyperplasia	Focal, Mild
* Brain		Mineralization	Focal, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 847

TRT#: 3

SEX: Male

DAY ON TEST: 738

DOSE: 3000 PPM MID MALE

DISP: Terminal Sacrifice

HISTO: MB85-0847

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

* Mammary Gland

OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Kidney	Nephropathy	Mild
* Liver	Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 4-5, 2,3-12]		
Preputial Gland	Dilatation	Moderate
[Dilatation TGLS = 1-12]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 848	TRT#: 3	SEX: Male	DAY ON TEST: 738
	DOSE: 3000 PPM MID MALE	DISP: Terminal Sacrifice	HISTO: MB85-0848

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

* Mammary Gland

OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Kidney	Nephropathy	Minimal
* Spleen	Hyperplasia	Lymphoid, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 849	TRT#: 3	SEX: Male	DAY ON TEST: 738
	DOSE: 3000 PPM MID MALE	DISP: Terminal Sacrifice	HISTO: MB85-0849

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
Preputial Gland	Duct	Dilatation	Mild
[Dilatation TGLS = 1-12]			
* Skin	Subcut Tiss	Abscess	Moderate
* Thymus		Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 850

TRT#: 3

SEX: Male

DAY ON TEST: 738

DOSE: 3000 PPM MID MALE

DISP: Terminal Sacrifice

HISTO: MB85-0850

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

* Mammary Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Kidney		Nephropathy	Minimal
* Lung	Interstitialium	Inflammation	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 861

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 10000PPMHIGHMALE

DISP: Terminal Sacrifice

HISTO: MB85-0861

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal 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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Zymbal's Gland		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Brain		Mineralization	Focal, Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLS = 4-5, 5-13, 6-14]		
	[Hepatocellular Carcinoma TGLS = 3-5]		
* Lung		Alveolar/Bronchiolar Adenoma	
Preputial Gland	Duct	Dilatation	Moderate
	[Dilatation TGLS = 1,2-12]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 862

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 10000PPMHIGHMALE

DISP: Terminal Sacrifice

HISTO: MB85-0862

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Brain	Mineralization	Focal, Mild
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 863

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 10000PPMHIGHMALE

DISP: Terminal Sacrifice

HISTO: MB85-0863

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Liver	Hepatocellular Adenoma	Multiple

[Hepatocellular Adenoma TGLS = 2-12, 1-12, 3-5, 4-12]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 864

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 10000PPMHIGHMALE

DISP: Terminal Sacrifice

HISTO: MB85-0864

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Zymbal's Gland

MISSING

* Mammary Gland

OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Liver	Eosinophilic Focus	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 865

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 10000PPMHIGHMALE

DISP: Terminal Sacrifice

HISTO: MB85-0865

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Parathyroid Gland	* Zymbal's Gland
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OBSERVATIONS

* Gallbladder	Hyperplasia	Moderate
* Kidney	Nephropathy	Minimal
* Liver	Eosinophilic Focus	
	Hepatocellular Adenoma	Multiple

[Eosinophilic Focus TGLS = 5-12,8-14]

[Hepatocellular Adenoma TGLS = 2,6-5, 3,4-12, 7-13]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 866

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 10000PPMHIGHMALE

DISP: Terminal Sacrifice

HISTO: MB85-0866

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Zymbal's Gland

MISSING

* Mammary Gland

OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Liver	Clear Cell Focus	
	Eosinophilic Focus	
	Hepatocellular Adenoma	Multiple
	Hepatocellular Carcinoma	

[Hepatocellular Adenoma TGLS = 1,2-12, 5-14, 6-15]

[Hepatocellular Carcinoma TGLS = 4-13,5, 3-13]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 867

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 10000PPMHIGHMALE

DISP: Terminal Sacrifice

HISTO: MB85-0867

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Zymbal's Gland
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OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
[Eosinophilic Focus TGLS = 5-12]			
[Hepatocellular Adenoma TGLS = 4-5, 6-13]			
[Hepatocellular Carcinoma TGLS = 2-5]			
Preputial Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 1-12]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 3-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 868

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 10000PPMHIGHMALE

DISP: Terminal Sacrifice

HISTO: MB85-0868

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Brain
* Heart
* Intestine Small, Duodenum
* Kidney
* Nose
* Prostate
* Spleen
* Thymus
* Zymbal's Gland

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

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

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

MISSING

* Mammary Gland

OBSERVATIONS

* Liver

Basophilic Focus
Hepatocellular Adenoma

Multiple

[Hepatocellular Adenoma TGLS = 1-5, 2,3-12]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 869

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 10000PPMHIGHMALE

DISP: Terminal Sacrifice

HISTO: MB85-0869

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Zymbal's Gland		

MISSING

* Gallbladder	* Mammary Gland
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OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Kidney	Nephropathy	Minimal
* Liver	Eosinophilic Focus	
	Hepatocellular Adenoma	Multiple
	Hepatocellular Carcinoma	

[Hepatocellular Adenoma TGLS = 2-5, 5-12, 4-5, 3-14]

[Hepatocellular Carcinoma TGLS = 1-13]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 870

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 10000PPMHIGHMALE

DISP: Terminal Sacrifice

HISTO: MB85-0870

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Gallbladder	Inflammation	Acute, Minimal
* Intestine Small, Duodenum	Inflammation	Acute, Focal, Mild
* Kidney	Nephropathy	Minimal
* Liver	Basophilic Focus	
	Eosinophilic Focus	
	Hepatocellular Adenoma	Multiple
[Eosinophilic Focus TGLS = 3-5]		
[Hepatocellular Adenoma TGLS = 4-5, 2-12]		
* Lymph Node, Mandibular	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 1-2]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 871	TRT#: 4	SEX: Male	DAY ON TEST: 737
	DOSE: 10000PPMHIGHMALE	DISP: Terminal Sacrifice	HISTO: MB85-0871

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Moderate
* Liver		Hepatocellular Adenoma	Multiple
		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 2-12,13,14,5]			
* Spleen		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 1-5]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:41
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 872

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 10000PPMHIGHMALE

DISP: Terminal Sacrifice

HISTO: MB85-0872

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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
* Lung	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Thymus	* Zymbal's Gland	
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OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Liver	Eosinophilic Focus	
	Hepatocellular Adenoma	
	Hepatocellular Carcinoma	
[Eosinophilic Focus TGLS = 4-13]		
[Hepatocellular Carcinoma TGLS = 1,2-5, 3-12]		
* Lymph Node, Mandibular	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 5-2]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 873

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 10000PPMHIGHMALE

DISP: Terminal Sacrifice

HISTO: MB85-0873

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal 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	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Zymbal's Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Brain		Mineralization	Focal, Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[Basophilic Focus TGLS = 3-13]			
[Eosinophilic Focus TGLS = 4-5, 2,6-14,12]			
[Hepatocellular Adenoma TGLS = 5-5,12,14]			
Preputial Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 1-14,12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 874	TRT#: 4	SEX: Male	DAY ON TEST: 737
	DOSE: 10000PPMHIGHMALE	DISP: Terminal Sacrifice	HISTO: MB85-0874

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLS = 3-5,12, 2-5,12, 5-5,12]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLS = 4-12]		
Preputial Gland	Duct	Dilatation	Moderate
	[Dilatation TGLS = 1-12]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 875

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 10000PPMHIGHMALE

DISP: Terminal Sacrifice

HISTO: MB85-0875

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal 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	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Zymbal's Gland

OBSERVATIONS

* Adrenal Cortex		Atrophy	Moderate
		Hyperplasia	Focal, Mild
* Brain		Mineralization	Focal, Mild
* Liver		Eosinophilic Focus	
Preputial Gland	Duct	Dilatation	Mild
[Dilatation TGLS = 1-12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 876

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 10000PPMHIGHMALE

DISP: Terminal Sacrifice

HISTO: MB85-0876

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal 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	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder
* Zymbal's Gland			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Brain		Mineralization	Focal, Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Fatty Change	Focal, Mild
		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 1-5,12]			
* Thymus		Cyst	
* Thyroid Gland	Follicular Cel	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 877

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 10000PPMHIGHMALE

DISP: Terminal Sacrifice

HISTO: MB85-0877

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Zymbal's Gland

MISSING

* Mammary Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
[Eosinophilic Focus TGLS = 2-12]			
[Hepatocellular Adenoma TGLS = 2-5,12,13]			
[Hepatocellular Carcinoma TGLS = 2-5]			
Preputial Gland	Duct	Dilatation	Mild
[Dilatation TGLS = 1-12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 878

TRT#: 4

SEX: Male

DAY ON TEST: 576

DOSE: 10000PPMHIGHMALE

DISP: Natural Death

HISTO: MB85-878

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Mammary Gland	* Zymbal's Gland
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AUTO PRECLUDES DIAG.

* Intestine Small, Duodenum	* Intestine Small, Jejunum
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OBSERVATIONS

* Brain	Mineralization	Focal, Minimal
* Liver	Basophilic Focus	
	Eosinophilic Focus	
	Hepatocellular Adenoma	Multiple
	Hepatocellular Carcinoma	

Note: WHAT WAS DESCRIBED AS A

Note: MESENTERIC MASS IS REALLY A LIVER TUMOR

[Basophilic Focus TGLS = 4-5]

[Eosinophilic Focus TGLS = 5,6-5]

[Hepatocellular Adenoma TGLS = 1-5,12]

[Hepatocellular Carcinoma TGLS = 2-13]

* Lym Node Mesen

Note: WHAT WAS DESCRIBED AS A MESENTERIC MASS WAS REALLY

Preputial Gland

Duct

Dilatation

Moderate

[Dilatation TGLS = 3-12]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 878

TRT#: 4

SEX: Male

DAY ON TEST: 576

DOSE: 10000PPMHIGHMALE

DISP: Natural Death

HISTO: MB85-878

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: A LIVER TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 879

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 10000PPMHIGHMALE

DISP: Terminal Sacrifice

HISTO: MB85-0879

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

* Thymus

OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Liver	Eosinophilic Focus	
	Hepatocellular Carcinoma	
[Eosinophilic Focus TGLS = 3-5]		
[Hepatocellular Carcinoma TGLS = 1-13]		
* Lung	Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 2-12]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 880

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 10000PPMHIGHMALE

DISP: Terminal Sacrifice

HISTO: MB85-0880

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Zymbal's Gland

MISSING

* Mammary Gland

OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Liver	Hepatocellular Adenoma	Multiple

[Hepatocellular Adenoma TGLS = 3-12, 2-13]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 881

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 10000PPMHIGHMALE

DISP: Terminal Sacrifice

HISTO: MB85-0881

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Zymbal's Gland			

MISSING

* Mammary Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Necrosis	Focal, Mild
	[Eosinophilic Focus TGLS = 3-5]		
	[Hepatocellular Adenoma TGLS = 2,1-12]		
* Pancreas	Acinar Cell	Atrophy	Minimal
* Prostate		Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 882

TRT#: 4

SEX: Male

DAY ON TEST: 716

DOSE: 10000PPMHIGHMALE

DISP: Natural Death

HISTO: MB85-0882

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal 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	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Hypertrophy	Focal, Mild
* Brain	Mineralization	Focal, Mild
* Liver	Eosinophilic Focus	
	Fatty Change	Focal, Mild
	Hepatocellular Adenoma	

[Fatty Change TGLS = 3-12]

[Hepatocellular Adenoma TGLS = 1+2-5]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 883	TRT#: 4	SEX: Male	DAY ON TEST: 737
	DOSE: 10000PPMHIGHMALE	DISP: Terminal Sacrifice	HISTO: MB85-0883

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Liver	Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 3,2-5, 6-13, 4,5-12]		
* Zymbal's Gland	Dilatation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 884	TRT#: 4	SEX: Male	DAY ON TEST: 737
	DOSE: 10000PPMHIGHMALE	DISP: Terminal Sacrifice	HISTO: MB85-0884

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Zymbal's Gland
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OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
	[Eosinophilic Focus TGLS = 2-5]		
	[Hepatocellular Adenoma TGLS = 1-5]		
* Lung	Alveolar Epith	Hyperplasia	Focal, Mild
* Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 885

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 10000PPMHIGHMALE

DISP: Terminal Sacrifice

HISTO: MB85-0885

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Parathyroid Gland	* Zymbal's Gland
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OBSERVATIONS

* Brain	Mineralization	Focal, Minimal
* Intestine Small, Jejunum [Carcinoma TGLS = 2-12]	Carcinoma	
* Liver [Hepatocellular Adenoma TGLS = 3-5, 4-12]	Eosinophilic Focus Hepatocellular Adenoma	Multiple
Preputial Gland [Dilatation TGLS = 1-12]	Dilatation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 886

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 10000PPMHIGHMALE

DISP: Terminal Sacrifice

HISTO: MB85-0886

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland	* Zymbal's Gland
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OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 3-5]			
Preputial Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 2-12]			
* Skin	Subcut Tiss	Hemangioma	
[Hemangioma TGLS = 1-12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 887

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 10000PPMHIGHMALE

DISP: Terminal Sacrifice

HISTO: MB85-0887

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[Clear Cell Focus TGLS = 3-13]			
[Eosinophilic Focus TGLS = 3-13]			
[Hepatocellular Adenoma TGLS = 3-13,12,5,14]			
* Lymph Node, Mandibular		Cyst	
Preputial Gland	Duct	Dilatation	Mild
[Dilatation TGLS = 2-12]			
* Prostate		Hyperplasia	Focal, Minimal
* Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 888

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 10000PPMHIGHMALE

DISP: Terminal Sacrifice

HISTO: MB85-0888

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Brain	Mineralization	Focal, Minimal
* Liver	Eosinophilic Focus	
	Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 2-5, 3-12]		
Preputial Gland	Dilatation	Moderate
[Dilatation TGLS = 1-12]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 889

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 10000PPMHIGHMALE

DISP: Terminal Sacrifice

HISTO: MB85-0889

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Parathyroid Gland	* Skin	* Trachea	

MISSING

* Zymbal's Gland

OBSERVATIONS

Ductus Deferens		Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 11-14]			
* Epididymis		Lymphoma Malignant Lymphocytic	
* Gallbladder		Lymphoma Malignant Lymphocytic	
* Heart		Lymphoma Malignant Lymphocytic	
* Intestine Large, Cecum		Lymphoma Malignant Lymphocytic	
* Intestine Large, Colon		Lymphoma Malignant Lymphocytic	
* Kidney		Lymphoma Malignant Lymphocytic	
* Liver		Basophilic Focus	
		Hepatocellular Adenoma	Multiple
		Lymphoma Malignant Lymphocytic	
[Hepatocellular Adenoma TGLS = 7,9-5, 6-13, 8-12]			
* Lung		Lymphoma Malignant Lymphocytic	
Lymph Node	Deep Cervical	Lymphoma Malignant Lymphocytic	
	Mediastinal	Lymphoma Malignant Lymphocytic	
	Renal	Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 3-12,10-14,1-2,5-12]			
[Lymphoma Malignant Lymphocytic TGLS = 3-12,10-14,1-2,5-12]			
[Lymphoma Malignant Lymphocytic TGLS = 3-12,10-14,1-2,5-12]			
* Lymph Node, Mandibular		Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 3-12, 10-14, 1-2, 5-12]			
* Lymph Node, Mesenteric		Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 3-12, 10-14, 1-2, 5-12]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 889	TRT#: 4	SEX: Male	DAY ON TEST: 737
	DOSE: 10000PPMHIGHMALE	DISP: Terminal Sacrifice	HISTO: MB85-0889

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Lymphoma Malignant Lymphocytic	
* Pancreas		Lymphoma Malignant Lymphocytic	
* Pituitary Gland		Lymphoma Malignant Lymphocytic	
Preputial Gland	Duct	Dilatation	Moderate
		Lymphoma Malignant Lymphocytic	
[Dilatation TGLS = 2-12]			
* Prostate		Lymphoma Malignant Lymphocytic	
* Salivary Glands		Lymphoma Malignant Lymphocytic	
* Seminal Vesicle		Lymphoma Malignant Lymphocytic	
* Spleen		Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 4-5]			
* Stomach, Forestomach		Lymphoma Malignant Lymphocytic	
* Stomach, Glandular		Lymphoma Malignant Lymphocytic	
* Testes		Lymphoma Malignant Lymphocytic	
* Thymus		Lymphoma Malignant Lymphocytic	
* Thyroid Gland		Lymphoma Malignant Lymphocytic	
* Urinary Bladder		Lymphoma Malignant Lymphocytic	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 890

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 10000PPMHIGHMALE

DISP: Terminal Sacrifice

HISTO: MB85-0890

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

* Mammary Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[Eosinophilic Focus TGLS = 3-12]			
[Hepatocellular Adenoma TGLS = 2,4-5, 5-12]			
Preputial Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 1-13]			
* Thyroid Gland	Follicle	Dilatation	Focal, Mild
	Follicular Cel	Hyperplasia	Focal, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 891

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 10000PPMHIGHMALE

DISP: Terminal Sacrifice

HISTO: MB85-0891

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Bone Marrow		Angiectasis	Focal, Moderate
* Brain		Mineralization	Focal, Mild
* Kidney	Renal Tubule	Adenoma	
		Nephropathy	Mild
[Adenoma TGLS = 2-12]			
* Liver		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 1-13,12,5]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 892

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 10000PPMHIGHMALE

DISP: Terminal Sacrifice

HISTO: MB85-0892

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Trachea
* Zymbal's Gland			

MISSING

* Mammary Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
[Hepatocellular Adenoma TGLS = 3-5,2-5,4-12]			
Preputial Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 1-12]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Focal, Moderate
* Urinary Bladder		Metaplasia	Osseous, Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 893

TRT#: 4

SEX: Male

DAY ON TEST: 675

DOSE: 10000PPMHIGHMALE

DISP: Moribund Sacrifice

HISTO: MB85-0893

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Zymbal's Gland	

INSUFFICIENT TISSUE

* Mammary Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Liver		Hemangiosarcoma	Metastatic (Spleen)
		Hepatocellular Adenoma	Multiple
[Hemangiosarcoma TGLS = 5-5]			
[Hepatocellular Adenoma TGLS = 3-5,4-5,6-13,7-14]			
Lymph Node	Mediastinal	Congestion	Mild
[Congestion TGLS = 8-12]			
* Spleen		Hemangiosarcoma	
[Hemangiosarcoma TGLS = 2-5]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 894

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 10000PPMHIGHMALE

DISP: Terminal Sacrifice

HISTO: MB85-0894

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Intestine Small, Jejunum [Carcinoma TGLS = 4-12]	Carcinoma	
* Liver [Hepatocellular Adenoma TGLS = 6-13] [Hepatocellular Carcinoma TGLS = 5-12]	Hepatocellular Adenoma Hepatocellular Carcinoma	
* Lung	Hepatocellular Carcinoma	Metastatic (Liver)
* Spleen [Hematopoietic Cell Proliferation TGLS = 2-5]	Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach [Squamous Cell Papilloma TGLS = 3-4]	Squamous Cell Papilloma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 895	TRT#: 4	SEX: Male	DAY ON TEST: 737
	DOSE: 10000PPMHIGHMALE	DISP: Terminal Sacrifice	HISTO: MB85-0895

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 5-12, 2,3,6-5, 4-5]			
* Lung	Interstitialium	Inflammation	Focal, Minimal
Preputial Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 1-12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 896

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 10000PPMHIGHMALE

DISP: Terminal Sacrifice

HISTO: MB85-0896

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder	* Zymbal's Gland		

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Liver	Eosinophilic Focus	
	Hepatocellular Adenoma	Multiple
	Hepatocellular Carcinoma	
[Hepatocellular Adenoma TGLS = 7-5, 3-12, 4-13, 5-14]		
[Hepatocellular Carcinoma TGLS = 2-5]		
* Lung	Alveolar/Bronchiolar Adenoma	Multiple
[Alveolar/Bronchiolar Adenoma TGLS = 6-12]		
Preputial Gland	Duct	Dilatation
[Dilatation TGLS = 1-12]		Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 897

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 10000PPMHIGHMALE

DISP: Terminal Sacrifice

HISTO: MB85-0897

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland	* Parathyroid Gland	* Zymbal's Gland
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OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Fatty Change	Focal, Mild
		Hepatocellular Adenoma	Multiple
[Eosinophilic Focus TGLS = 4-5,3-12]			
[Fatty Change TGLS = 2-5]			
[Hepatocellular Adenoma TGLS = 5,6-13]			
* Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Focal, Minimal
	[Alveolar/Bronchiolar Carcinoma TGLS = 1-12]		
* Nose		Inflammation	Acute, Focal, Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 898

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 10000PPMHIGHMALE

DISP: Terminal Sacrifice

HISTO: MB85-0898

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

* Mammary Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Kidney	Renal Tubule	Dilatation	Focal, Moderate
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple

[Eosinophilic Focus TGLS = 1-5]

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 899

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 10000PPMHIGHMALE

DISP: Terminal Sacrifice

HISTO: MB85-0899

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Zymbal's Gland		

MISSING

* Mammary Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Minimal
* Kidney		Nephropathy	Mild
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLS = 3-5, 4-12]		
	[Hepatocellular Carcinoma TGLS = 2-5]		
* Lung	Interstitium	Inflammation	Focal, Minimal
Preputial Gland	Duct	Dilatation	Moderate
	[Dilatation TGLS = 1-12]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 900

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 10000PPMHIGHMALE

DISP: Terminal Sacrifice

HISTO: MB85-0900

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

* Mammary Gland

OBSERVATIONS

* Brain	Mineralization	Focal, Minimal
* Kidney	Nephropathy	Minimal
* Liver	Eosinophilic Focus	
	Hepatocellular Adenoma	
	Hepatocellular Carcinoma	

[Eosinophilic Focus TGLS = 2-12]
[Hepatocellular Adenoma TGLS = 3-13]
[Hepatocellular Carcinoma TGLS = 1-5]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 901	TRT#: 4	SEX: Male	DAY ON TEST: 737
	DOSE: 10000PPMHIGHMALE	DISP: Terminal Sacrifice	HISTO: MB85-0901

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder
* Zymbal's Gland			

MISSING

* Mammary Gland	* Pituitary Gland	* Thymus
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OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Kidney	Nephropathy	Mild
* Liver	Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 1,2-5, 3-12]		
* Lung	Hepatocellular Carcinoma	Metastatic (Liver)
* Nose	Congestion	Moderate
* Spleen	Hematopoietic Cell Proliferation	Mild
* Stomach, Glandular	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 902

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 10000PPMHIGHMALE

DISP: Terminal Sacrifice

HISTO: MB85-0902

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder	* Zymbal's Gland		

MISSING

* Mammary Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 6-12, 5-13, 4-5]			
Preputial Gland	Duct	Dilatation	Moderate
		Inflammation	Chronic Active, Moderate
[Dilatation TGLS = 1-12]			
[Inflammation TGLS = 1-12]			
* Thymus		Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 903

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 10000PPMHIGHMALE

DISP: Terminal Sacrifice

HISTO: MB85-0903

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal 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	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Hyperplasia	Focal, Mild
* Brain	Mineralization	Focal, Mild
* Liver	Hepatocellular Adenoma	Multiple

[Hepatocellular Adenoma TGLS = 1,2-5]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 904	TRT#: 4	SEX: Male	DAY ON TEST: 737
	DOSE: 10000PPMHIGHMALE	DISP: Terminal Sacrifice	HISTO: MB85-0904

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal 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
* Nose	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Pituitary Gland	* Zymbal's Gland
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OBSERVATIONS

* Adrenal Cortex		Hemorrhage	Focal, Mild
* Brain		Mineralization	Focal, Mild
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
[Hepatocellular Adenoma TGLS = 4-12]			
[Hepatocellular Carcinoma TGLS = 3-5]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 5-7]			
Preputial Gland	Duct	Dilatation	Mild
[Dilatation TGLS = 2-12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 905

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 10000PPMHIGHMALE

DISP: Terminal Sacrifice

HISTO: MB85-0905

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Zymbal's Gland
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OBSERVATIONS

* Kidney	Nephropathy	Minimal
* Liver	Fatty Change	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 906

TRT#: 4

SEX: Male

DAY ON TEST: 660

DOSE: 10000PPMHIGHMALE

DISP: Natural Death

HISTO: MB85-0906

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Thymus
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AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Ileum
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OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Gallbladder	Inflammation	Acute, Mild
* Liver	Hemangiosarcoma	
	Hepatocellular Adenoma	
	Necrosis	Focal, Mild
[Hemangiosarcoma TGLS = 5,4-5]		
[Hepatocellular Adenoma TGLS = 7-12]		
* Spleen	Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 907

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 10000PPMHIGHMALE

DISP: Terminal Sacrifice

HISTO: MB85-0907

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Zymbal's Gland
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OBSERVATIONS

* Brain	Mineralization	Focal, Minimal
* Kidney	Metaplasia	Osseous, Focal, Mild
* Liver	Eosinophilic Focus	
	Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 1,2,3-5,12,13]		
* Lung	Hemorrhage	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 908

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 10000PPMHIGHMALE

DISP: Terminal Sacrifice

HISTO: MB85-0908

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Gallbladder	* Mammary Gland
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OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Intestine Small, Jejunum [Carcinoma TGLS = 3-12]	Carcinoma	
* Kidney	Nephropathy	Minimal
* Liver [Basophilic Focus TGLS = 7-12]	Basophilic Focus	
Lymph Node	Mediastinal	Lymphoma Malignant Lymphocytic
	Renal	Lymphoma Malignant Lymphocytic
	[Lymphoma Malignant Lymphocytic TGLS = 4-7, 5-12, 6-13]	
	[Lymphoma Malignant Lymphocytic TGLS = 4-7, 5-12, 6-13]	
* Lymph Node, Mesenteric [Lymphoma Malignant Lymphocytic TGLS = 4-7, 5-12, 6-13]	Lymphoma Malignant Lymphocytic	
Preputial Gland	Duct	Dilatation
	[Dilatation TGLS = 1-12]	Mild
* Spleen [Hematopoietic Cell Proliferation TGLS = 2-5]	Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 909	TRT#: 4	SEX: Male	DAY ON TEST: 568
	DOSE: 10000PPMHIGHMALE	DISP: Natural Death	HISTO: MB85-909

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Heart	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Zymbal's Gland

MISSING

* Gallbladder	* Lymph Node, Mandibular	* Mammary Gland
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AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Ileum
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OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Intestine Small, Jejunum		Hyperplasia	Lymphoid, Marked
[Hyperplasia TGLS = 2-12]			
* Kidney	Renal Tubule	Dilatation	Focal, Mild
* Liver		Hepatocellular Carcinoma	
		Necrosis	Focal, Mild
[Hepatocellular Carcinoma TGLS = 3-5]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Preputial Gland	Duct	Dilatation	Moderate
[Dilatation TGLS = 1-12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 910

TRT#: 4

SEX: Male

DAY ON TEST: 737

DOSE: 10000PPMHIGHMALE

DISP: Terminal Sacrifice

HISTO: MB85-0910

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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	* Pancreas	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Zymbal's Gland			

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Medulla	Hyperplasia	Focal, Mild
* Brain	Mineralization	Focal, Mild
* Kidney	Nephropathy	Minimal
* Liver	Eosinophilic Focus	
	Hemangioma	
	Hepatocellular Adenoma	Multiple

[Eosinophilic Focus TGLS = 1-13]
[Hemangioma TGLS = 1-13]
[Hepatocellular Adenoma TGLS = 1-5,12]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 921

TRT#: 6

SEX: Female

DAY ON TEST: 518

DOSE: CONTROL FEMALE

DISP: Moribund Sacrifice

HISTO: MB85-0921

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus	Zymbal's Gland		

OBSERVATIONS

* Bone Marrow	Lymphoma Malignant Histiocytic	
* Brain	Mineralization	Focal, Mild
* Liver	Lymphoma Malignant Histiocytic	
[Lymphoma Malignant Histiocytic TGLS = 3-5]		
* Lung	Lymphoma Malignant Histiocytic	
* Lymph Node, Mandibular	Lymphoma Malignant Histiocytic	
* Spleen	Lymphoma Malignant Histiocytic	
[Lymphoma Malignant Histiocytic TGLS = 2-5]		
* Thymus	Lymphoma Malignant Histiocytic	
[Lymphoma Malignant Histiocytic TGLS = 1-3]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 922

TRT#: 6

SEX: Female

DAY ON TEST: 744

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: MB85-0922

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	Zymbal's Gland	

OBSERVATIONS

* Brain		Mineralization	Focal, Minimal
* Kidney	Glomerulus	Inflammation	Chronic, Moderate
Note: GLOMERULONEPHRITIS			
* Liver		Angiectasis	Focal, Mild
		Hepatocellular Carcinoma	
[Angiectasis TGLS = 10-5]			
[Hepatocellular Carcinoma TGLS = 6-5]			
Lymph Node	Lumbar	Hyperplasia	Plasma Cell, Mild
	Mediastinal	Hyperplasia	Plasma Cell, Mild
	Renal	Hyperplasia	Plasma Cell, Mild
[Hyperplasia TGLS = 1-3.1,7-12,8-13]			
[Hyperplasia TGLS = 1-3.1,7-12,8-13]			
[Hyperplasia TGLS = 1-3.1,7-12,8-13]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 1-3.1, 7-12, 8-13]			
* Ovary		Inflammation	Chronic, Focal, Marked
[Inflammation TGLS = 3-8]			
* Pancreas		Inflammation	Chronic Active, Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-3]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 2-5]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 922	TRT#: 6	SEX: Female	DAY ON TEST: 744
	DOSE: CONTROL FEMALE	DISP: Terminal Sacrifice	HISTO: MB85-0922

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	Follicular Cel	Hyperplasia	Focal, Minimal
* Uterus	Endometrium	Dilatation	Moderate
		Hyperplasia	Cystic, Mild
		Inflammation	Chronic Active, Mild

[Dilatation TGLS = 4-8]
[Hyperplasia TGLS = 5-8]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 923

TRT#: 6

SEX: Female

DAY ON TEST: 744

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: MB85-0923

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus	Zymbal's Gland	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Brain		Mineralization	Focal, Mild
Mesentery	Fat	Necrosis	Focal, Moderate
[Necrosis TGLS = 2-14]			
* Ovary		Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 3-8]			
* Skin		Inflammation	Chronic Active, Focal, Moderate
[Inflammation TGLS = 1+7-12+13]			
* Spleen		Hematopoietic Cell Proliferation	Mild
[Hematopoietic Cell Proliferation TGLS = 4-5]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 924

TRT#: 6

SEX: Female

DAY ON TEST: 744

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: MB85-0924

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	Zymbal's Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Minimal
* Liver		Angiectasis	Focal, Mild
[Angiectasis TGLS = 6-5]			
* Lymph Node, Mandibular		Cyst	
[Cyst TGLS = 1-2]			
Mesentery	Fat	Necrosis	Focal, Mild
[Necrosis TGLS = 4-12]			
* Pituitary Gland	Pars Distalis	Cyst	
[Cyst TGLS = 5-3]			
* Uterus		Dilatation	Moderate
[Dilatation TGLS = 2-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 925

TRT#: 6

SEX: Female

DAY ON TEST: 744

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: MB85-0925

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	Zymbal's Gland

MISSING

* Parathyroid Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Liver		Eosinophilic Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-3]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 926

TRT#: 6

SEX: Female

DAY ON TEST: 744

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: MB85-0926

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
Zymbal's Gland			

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
[Clear Cell Focus TGLS = 5-5]			
[Hepatocellular Adenoma TGLS = 4-5]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 3-5]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Focal, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8, 2-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 927	TRT#: 6	SEX: Female	DAY ON TEST: 744
	DOSE: CONTROL FEMALE	DISP: Terminal Sacrifice	HISTO: MB85-0927

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	Zymbal's Gland

MISSING

* Parathyroid Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Liver		Eosinophilic Focus	
		Necrosis	Focal, Minimal
	[Eosinophilic Focus TGLS = 2-5]		
* Lung		Infiltration Cellular	Lymphocyte, Focal, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
	[Hyperplasia TGLS = 1-8]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 928

TRT#: 6

SEX: Female

DAY ON TEST: 744

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: MB85-0928

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Liver	* Lung	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	Zymbal's Gland

OBSERVATIONS

Lymph Node	Lumbar	Hyperplasia	Lymphoid, Moderate
	Mediastinal	Hyperplasia	Lymphoid, Moderate
	Renal	Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 5-12,4-13,1-14]			
[Hyperplasia TGLS = 5-12,4-13,1-14]			
[Hyperplasia TGLS = 5-12,4-13,1-14]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 5-12, 4-13, 1-14]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 5-12, 4-13, 1-14]			
* Spleen		Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 3-5]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Focal, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 2-8]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 929

TRT#: 6

SEX: Female

DAY ON TEST: 744

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: MB85-0929

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	Zymbal's Gland		

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 930

TRT#: 6

SEX: Female

DAY ON TEST: 744

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: MB85-0930

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Liver	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	Zymbal's Gland		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Brain		Mineralization	Focal, Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 5-6]			
* Lymph Node, Mandibular		Hemorrhage	Marked
[Hemorrhage TGLS = 1-2]			
* Ovary	Bilateral	Abscess	Moderate
[Abscess TGLS = 2+3-8]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 4-8]		Inflammation	Acute, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 931

TRT#: 6

SEX: Female

DAY ON TEST: 744

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: MB85-0931

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland	* Pituitary Gland	Zymbal's Gland
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OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Liver		Angiectasis	Focal, Mild
[Angiectasis TGLS = 7-5]			
Lymph Node	Renal	Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 3-13, 5-12]			
* Lymph Node, Mesenteric		Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 3-13, 5-12]			
* Ovary		Cyst	
[Cyst TGLS = 2-8]			
* Spleen		Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 4-5]			
* Thymus		Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 6-3]			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 932

TRT#: 6

SEX: Female

DAY ON TEST: 744

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: MB85-0932

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	Zymbal's Gland	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Brain		Mineralization	Focal, Mild
* Intestine Small, Ileum		Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 9-7+14]			
* Kidney		Lymphoma Malignant Lymphocytic	
* Lung		Lymphoma Malignant Lymphocytic	
Lymph Node	Deep Cervical	Lymphoma Malignant Lymphocytic	
	Lumbar	Lymphoma Malignant Lymphocytic	
	Mediastinal	Lymphoma Malignant Lymphocytic	
	Pancreatic	Lymphoma Malignant Lymphocytic	
	Renal	Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 1-2,3-12,5-13,12-15,11-16,2-17,8-18]			
[Lymphoma Malignant Lymphocytic TGLS = 1-2,3-12,5-13,12-15,11-16,2-17,8-18]			
[Lymphoma Malignant Lymphocytic TGLS = 1-2,3-12,5-13,12-15,11-16,2-17,8-18]			
[Lymphoma Malignant Lymphocytic TGLS = 1-2,3-12,5-13,12-15,11-16,2-17,8-18]			
[Lymphoma Malignant Lymphocytic TGLS = 1-2,3-12,5-13,12-15,11-16,2-17,8-18]			
* Lymph Node, Mandibular		Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 1-2, 3-12, 5-13, 12-15]			
* Lymph Node, Mesenteric		Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 1-2, 3-12, 5-13, 12-15]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 932	TRT#: 6	SEX: Female	DAY ON TEST: 744
	DOSE: CONTROL FEMALE	DISP: Terminal Sacrifice	HISTO: MB85-0932

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Hematopoietic Cell Proliferation TGLS = 4-5]		Hematopoietic Cell Proliferation	Mild
* Uterus [Hyperplasia TGLS = 6-8] [Leiomyoma TGLS = 7-8]	Endometrium	Hyperplasia Leiomyoma	Cystic, Mild

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 933

TRT#: 6

SEX: Female

DAY ON TEST: 744

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: MB85-0933

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	Zymbal's Gland

MISSING

* Parathyroid Gland

OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Liver	Infiltration Cellular	Histiocyte, Mild
* Ovary	Hemorrhage	Focal, Mild
[Hemorrhage TGLS = 3-7]		
* Uterus	Dilatation	Mild
[Dilatation TGLS = 1,2-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 934

TRT#: 6

SEX: Female

DAY ON TEST: 580

DOSE: CONTROL FEMALE

DISP: Natural Death

HISTO: MB85-934

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Zymbal's Gland

OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Liver	Hemangiosarcoma	
[Hemangiosarcoma TGLS = 2+3-5]		
* Spleen	Hematopoietic Cell Proliferation	Mild
* Uterus	Dilatation	Mild
[Dilatation TGLS = 1-8]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 935	TRT#: 6	SEX: Female	DAY ON TEST: 744
	DOSE: CONTROL FEMALE	DISP: Terminal Sacrifice	HISTO: MB85-0935

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular Zymbal's Gland	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Liver		Basophilic Focus Eosinophilic Focus	
[Basophilic Focus TGLS = 3-12] [Eosinophilic Focus TGLS = 2-5]			
* Pituitary Gland	Pars Distalis	Angiectasis	Focal, Mild
[Angiectasis TGLS = 4-3]			
* Thyroid Gland	Follicle	Dilatation	Focal, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 936

TRT#: 6

SEX: Female

DAY ON TEST: 88

DOSE: CONTROL FEMALE

DISP: Natural Death

HISTO: MB85-0936

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Islets, Pancreatic	* Kidney
* Liver	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mesenteric	* Parathyroid Gland
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AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
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OBSERVATIONS

* Bone Marrow	Congestion	Moderate
* Spleen	Depletion Lymphoid	Moderate
* Thymus	Depletion Lymphoid	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 937

TRT#: 6

SEX: Female

DAY ON TEST: 744

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: MB85-0937

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
Zymbal's Gland			

OBSERVATIONS

* Kidney		Metaplasia	Osseous, Focal, Minimal
* Liver		Lymphoma Malignant Mixed	
Lymph Node	Pancreatic	Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 2-12]			
* Spleen		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 3-5]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 938

TRT#: 6

SEX: Female

DAY ON TEST: 744

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: MB85-0938

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Zymbal's Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Liver		Fatty Change	Focal, Moderate
		Hepatocellular Adenoma	Multiple
	[Fatty Change TGLS = 8-15]		
	[Hepatocellular Adenoma TGLS = 5-12,13,14, 6-12,13,14, 7-12,13,14]		
* Lung		Congestion	Mild
	[Congestion TGLS = 9-6]		
* Mammary Gland		Adenoma	
* Ovary		Cyst	
	[Cyst TGLS = 2-8]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
	[Hematopoietic Cell Proliferation TGLS = 4-5]		
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
	[Hyperplasia TGLS = 3-8]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 939

TRT#: 6

SEX: Female

DAY ON TEST: 184

DOSE: CONTROL FEMALE

DISP: Natural Death

HISTO: MB85-0939

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

AUTO PRECLUDES DIAG.

* Intestine Small, Duodenum

OBSERVATIONS

* Lymph Node, Mesenteric		Necrosis	Mild
* Ovary		Teratoma Benign	
[Teratoma Benign TGLS = 1-8,8.1]			
* Thymus		Necrosis	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 940

TRT#: 6

SEX: Female

DAY ON TEST: 744

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: MB85-0940

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Zymbal's Gland

OBSERVATIONS

* Brain	Mineralization	Focal, Minimal
Clitoral Gland	Inflammation	Chronic Active, Mild
[Inflammation TGLS = 3-14]		
* Lung	Alveolar/Bronchiolar Adenoma	
* Lymph Node, Mandibular	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 2-2]		
* Uterus	Dilatation	Mild
[Dilatation TGLS = 4-8]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 941

TRT#: 6

SEX: Female

DAY ON TEST: 744

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: MB85-0941

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	Zymbal's Gland		

OBSERVATIONS

* Liver		Clear Cell Focus	
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 2-12.1]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 942

TRT#: 6

SEX: Female

DAY ON TEST: 744

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: MB85-0942

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	Zymbal's Gland

OBSERVATIONS

* Liver		Eosinophilic Focus	
		Mixed Cell Focus	
[Eosinophilic Focus TGLS = 4-5]			
[Mixed Cell Focus TGLS = 3-5]			
* Lymph Node, Mandibular		Cyst	
		Hyperplasia	Lymphoid, Mild
[Cyst TGLS = 1-12]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Thymus		Hyperplasia	Lymphoid, Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 2-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 943

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: CONTROL FEMALE

DISP: Moribund

HISTO: MB85-0943

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	Zymbal's Gland	

MISSING

* Lymph Node, Mesenteric	* Thymus
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OBSERVATIONS

* Brain		Mineralization	Focal, Minimal
Lymph Node	Iliac	Hyperplasia	Plasma Cell, Moderate
	Renal	Hyperplasia	Plasma Cell, Moderate
[Hyperplasia TGLS = 3-12, 4-13]			
[Hyperplasia TGLS = 3-12, 4-13]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Urinary Bladder		Inflammation	Acute, Marked
* Uterus		Dilatation	Mild
[Dilatation TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 944

TRT#: 6

SEX: Female

DAY ON TEST: 368

DOSE: CONTROL FEMALE

DISP: Moribund Sacrifice

HISTO: MB85-0944

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea		

OBSERVATIONS

* Brain	Artery	Inflammation Necrosis	Chronic, Focal, Moderate Focal, Moderate
Ear	Arteriole	Inflammation	Chronic, Focal, Mild
* Heart	Arteriole	Inflammation	Chronic, Focal, Moderate
* Kidney	Artery	Inflammation	Chronic, Focal, Moderate
* Liver		Inflammation	Chronic, Focal, Mild
* Ovary		Cyst	Minimal
* Salivary Glands	Arteriole	Inflammation	Chronic, Multifocal, Minimal
* Thymus		Cyst	Mild
* Thyroid Gland	Arteriole	Inflammation	Chronic, Focal, Moderate
* Urinary Bladder	Arteriole	Inflammation	Chronic, Focal, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

[Hyperplasia TGLS = 1-8]

PRIMARY CAUSE OF DEATH

-

Animal Note: HEAD TILT & SELF-MUTILATION (CHEWED-FOOT)

Animal Note: DUE TO THE NECROSIS (INFARCTS) IN THE BRAIN.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 945	TRT#: 6	SEX: Female	DAY ON TEST: 744
	DOSE: CONTROL FEMALE	DISP: Terminal Sacrifice	HISTO: MB85-0945

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	Zymbal's Gland		

MISSING

* Parathyroid Gland

OBSERVATIONS

Eye	Cornea	Inflammation	Chronic, Mild
[Inflammation TGLS = 1-14]			
Harderian Gland		Adenoma	
[Adenoma TGLS = 2-15]			
* Liver		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 6-13,5]			
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 5-12]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
[Hematopoietic Cell Proliferation TGLS = 3-5]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Focal, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
[Hyperplasia TGLS = 4-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 946	TRT#: 6	SEX: Female	DAY ON TEST: 744
	DOSE: CONTROL FEMALE	DISP: Terminal Sacrifice	HISTO: MB85-0946

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 947

TRT#: 6

SEX: Female

DAY ON TEST: 744

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: MB85-0947

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 2-12]			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 948

TRT#: 6

SEX: Female

DAY ON TEST: 744

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: MB85-0948

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular Zymbal's Gland	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

Mesentery [Necrosis TGLS = 1-12]	Fat	Necrosis	Focal, Mild
* Ovary [Cystadenoma TGLS = 2-8]		Cystadenoma	
* Pituitary Gland [Hyperplasia TGLS = 3-3]	Pars Distalis	Hyperplasia	Focal, Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Focal, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 949

TRT#: 6

SEX: Female

DAY ON TEST: 744

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: MB85-0949

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	Zymbal's Gland

MISSING

* Parathyroid Gland

OBSERVATIONS

Eye [Inflammation TGLS = 1-12]	Cornea	Inflammation	Chronic, Mild
Harderian Gland [Adenoma TGLS = 6-12]		Adenoma	
Mesentery [Necrosis TGLS = 3-14]	Fat	Necrosis	Focal, Mild
* Ovary		Cyst	
* Skin [Inflammation TGLS = 2-13]		Inflammation	Acute, Focal, Mild
* Spleen [Hyperplasia TGLS = 4-5]		Hyperplasia	Lymphoid, Moderate
* Uterus [Dilatation TGLS = 5-8]		Dilatation	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 950

TRT#: 6

SEX: Female

DAY ON TEST: 688

DOSE: CONTROL FEMALE

DISP: Moribund

HISTO: MB85-0950

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Thymus	Zymbal's Gland
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OBSERVATIONS

* Brain	Mineralization	Focal, Minimal
* Kidney [Nephropathy TGLS = 3-8]	Nephropathy	Minimal
* Liver [Sarcoma Stromal TGLS = 4-5]	Sarcoma Stromal	Metastatic (Uterus)
* Lung Lymph Node [Sarcoma Stromal TGLS = 5-12]	Sarcoma Stromal Iliac Sarcoma Stromal	Metastatic (Uterus) Metastatic (Uterus)
* Spleen [Hematopoietic Cell Proliferation TGLS = 6-5]	Hematopoietic Cell Proliferation	Mild
* Uterus [Sarcoma Stromal TGLS = 2-8]	Sarcoma Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 951

TRT#: 6

SEX: Female

DAY ON TEST: 744

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: MB85-0951

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 3-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 953

TRT#: 6

SEX: Female

DAY ON TEST: 744

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: MB85-0953

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	Zymbal's Gland

MISSING

* Gallbladder

OBSERVATIONS

* Liver	Eosinophilic Focus Hepatocellular Adenoma Hepatocellular Carcinoma	
[Eosinophilic Focus TGLS = 5-13+5] [Hepatocellular Carcinoma TGLS = 3+4-13+5]		
* Lung	Hepatocellular Carcinoma	Metastatic (Liver)
[Hepatocellular Carcinoma TGLS = 7,8,9-12,14,6,15]		
* Ovary	Cyst	
[Cyst TGLS = 1-8]		
* Uterus	Dilatation	Moderate
[Dilatation TGLS = 2-8]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 954

TRT#: 6

SEX: Female

DAY ON TEST: 744

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: MB85-0954

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	Zymbal's Gland	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma	
[Hepatocellular Adenoma TGLS = 5-12]			
[Hepatocellular Carcinoma TGLS = 4+5-12,5]			
Lymph Node	Iliac	Hyperplasia	Lymphoid, Moderate
	Lumbar	Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 6-13, 7-14]			
[Hyperplasia TGLS = 6-13, 7-14]			
* Ovary		Cystadenoma	
[Cystadenoma TGLS = 2-8]			
* Spleen		Hematopoietic Cell Proliferation	Mild
[Hematopoietic Cell Proliferation TGLS = 3-5]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Focal, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: C.I. Direct blue 218

CAS Number: 28407-37-6

Date Report Requested: 10/20/2014

Time Report Requested: 08:56:42

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 955

TRT#: 6

SEX: Female

DAY ON TEST: 617

DOSE: CONTROL FEMALE

DISP: Moribund Sacrifice

HISTO: MB85-0955

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Kidney
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Thymus Zymbal's Gland

OBSERVATIONS

* Bone Marrow	Hyperplasia	Mild
* Ovary	Cyst	
[Cyst TGLS = 1,2-8]		

PRIMARY CAUSE OF DEATH -

Animal Note: NO INDICATION OF ANY INFECTION IS PRESENT.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 956

TRT#: 6

SEX: Female

DAY ON TEST: 744

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: MB85-0956

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Zymbal's Gland

OBSERVATIONS

* Adrenal Cortex		Cyst	
* Brain		Mineralization	Focal, Mild
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 1-6]			
* Ovary		Cyst	
* Thyroid Gland		Infiltration Cellular	Lymphocyte, Focal, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 957

TRT#: 6

SEX: Female

DAY ON TEST: 644

DOSE: CONTROL FEMALE

DISP: Natural Death

HISTO: MB85-0957

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Esophagus
* Heart	* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	Zymbal's Gland

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric
* Ovary	* Spleen	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla [Congestion TGLS = 4-3]		Congestion	Mild
* Brain		Mineralization	Focal, Minimal
* Kidney		Lymphoma Malignant Undifferentiated Cell Type	
* Liver [Lymphoma Malignant Undifferentiated Cell Type TGLS = 5-5]		Lymphoma Malignant Undifferentiated Cell Type	
* Lung Tissue NOS		Lymphoma Malignant Undifferentiated Cell Type	
* Uterus [Hyperplasia TGLS = 3-8]	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: THE TISSUE IN L-2 CANNOT BE DETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 958

TRT#: 6

SEX: Female

DAY ON TEST: 744

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: MB85-0958

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
Harderian Gland		Adenoma	
[Adenoma TGLS = 5-12]			
* Liver		Basophilic Focus	
		Eosinophilic Focus	
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Pituitary Gland	Pars Distalis	Angiectasis	Focal, Minimal
[Angiectasis TGLS = 4-3]			
* Spleen		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 2-5]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Focal, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 3-8]			
Zymbal's Gland	Duct	Dilatation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 959	TRT#: 6	SEX: Female	DAY ON TEST: 701
	DOSE: CONTROL FEMALE	DISP: Moribund	HISTO: MB85-0959

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	Zymbal's Gland		

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
[Eosinophilic Focus TGLS = 3-5]			
[Hepatocellular Adenoma TGLS = 2-12]			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 960	TRT#: 6	SEX: Female	DAY ON TEST: 744
	DOSE: CONTROL FEMALE	DISP: Terminal Sacrifice	HISTO: MB85-0960

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Zymbal's Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Minimal
* Ovary		Cyst	
* Pancreas		Inflammation	Chronic Active, Focal, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Focal, Mild
		Infiltration Cellular	Lymphocyte, Focal, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

[Hyperplasia TGLS = 1-8]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 961

TRT#: 6

SEX: Female

DAY ON TEST: 744

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: MB85-0961

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Liver		Eosinophilic Focus	
* Lung		Hemorrhage	Focal, Mild
* Ovary		Cyst	
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Uterus		Dilatation	Moderate

[Dilatation TGLS = 1-8]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 962

TRT#: 6

SEX: Female

DAY ON TEST: 744

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: MB85-0962

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Ovary	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	Zymbal's Gland		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Infiltration Cellular	Lymphocyte, Focal, Mild
Lymph Node	Lumbar	Hyperplasia	Lymphoid, Moderate
	Renal	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 4-12, 2-13]			
[Hyperplasia TGLS = 4-12, 2-13]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 4-12, 2-13]			
* Pancreas		Infiltration Cellular	Lymphocyte, Focal, Mild
* Spleen		Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 3-5]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Focal, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 963

TRT#: 6

SEX: Female

DAY ON TEST: 744

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: MB85-0963

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus	Zymbal's Gland		

OBSERVATIONS

* Liver		Eosinophilic Focus Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 4-5]			
Mesentery	Fat	Necrosis	Focal, Mild
[Necrosis TGLS = 3-12]			
* Ovary		Abscess	Moderate
[Abscess TGLS = 2-8]			
* Pancreas	Acinar Cell	Hypertrophy	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 964

TRT#: 6

SEX: Female

DAY ON TEST: 744

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: MB85-0964

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* 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	Zymbal's Gland	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Minimal
* Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 4-5]			
Mesentery	Fat	Necrosis	Focal, Mild
[Necrosis TGLS = 5-6]			
* Ovary		Inflammation	Chronic, Focal, Marked
[Inflammation TGLS = 2-8]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Focal, Mild
* Uterus		Dilatation	Mild
[Dilatation TGLS = 3-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 965

TRT#: 6

SEX: Female

DAY ON TEST: 627

DOSE: CONTROL FEMALE

DISP: Moribund Sacrifice

HISTO: MB85-0965

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	Zymbal's Gland	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Brain		Mineralization	Focal, Minimal
* Kidney		Nephropathy	Moderate
* Liver		Hemangioma	
		Necrosis	Focal, Minimal
[Hemangioma TGLS = 3+4-12]			
* Lymph Node, Mandibular		Inflammation	Acute, Moderate
* Ovary		Abscess	Mild
[Abscess TGLS = 6-8]			
* Pancreas		Accessory Spleen	
[Accessory Spleen TGLS = 7-2]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 1-5]			
* Thyroid Gland	Follicular Cel	Hypertrophy	Focal, Mild
* Uterus		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 5-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 966

TRT#: 6

SEX: Female

DAY ON TEST: 744

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: MB85-0966

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	Zymbal's Gland	

OBSERVATIONS

* Bone Marrow	Hyperplasia	Lymphoid, Mild
* Brain	Mineralization	Focal, Minimal
* Liver	Angiectasis	Focal, Mild
[Angiectasis TGLS = 3-5]	Eosinophilic Focus	
* Ovary	Cyst	
* Spleen	Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 2-5]		
* Uterus	Dilatation	Mild
[Dilatation TGLS = 1-8]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 967

TRT#: 6

SEX: Female

DAY ON TEST: 613

DOSE: CONTROL FEMALE

DISP: Moribund Sacrifice

HISTO: MB85-0967

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	Zymbal's Gland

MISSING

* Ovary

OBSERVATIONS

* Brain		Mineralization	Focal, Minimal
* Islets, Pancreatic		Hyperplasia	Focal, Moderate
* Thyroid Gland	Follicle	Dilatation	Focal, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 968

TRT#: 6

SEX: Female

DAY ON TEST: 744

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: MB85-0968

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Brain		Mineralization	Focal, Minimal
* Uterus		Dilatation	Moderate
	Endometrium	Hyperplasia	Cystic, Mild

[Dilatation TGLS = 1-8]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 969

TRT#: 6

SEX: Female

DAY ON TEST: 744

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: MB85-0969

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Intestine Small, Jejunum [Lymphoma Malignant Lymphocytic TGLS = 3-4]	Lymphoma Malignant Lymphocytic	
* Kidney	Metaplasia	Osseous, Focal, Mild
* Liver [Cyst TGLS = 4-5]	Cyst	
* Lymph Node, Mesenteric	Lymphoma Malignant Lymphocytic	
* Ovary [Cyst TGLS = 2-8]	Cyst	
* Uterus [Dilatation TGLS = 1-8]	Dilatation	Moderate
Zymbal's Gland	Inflammation	Acute, Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 970

TRT#: 6

SEX: Female

DAY ON TEST: 744

DOSE: CONTROL FEMALE

DISP: Terminal Sacrifice

HISTO: MB85-0970

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular Zymbal's Gland	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Intestine Small, Duodenum [Hyperplasia TGLS = 5-12]		Hyperplasia	Lymphoid, Mild
* Liver		Basophilic Focus	
* Lymph Node, Mandibular [Hyperplasia TGLS = 1-2]		Hyperplasia	Plasma Cell, Mild
* Ovary [Cyst TGLS = 2-8]		Cyst	
* Thyroid Gland [Hyperplasia TGLS = 4-2]	Follicular Cel	Hyperplasia	Focal, Moderate
* Uterus [Hyperplasia TGLS = 3-8]	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 981

TRT#: 7

SEX: Female

DAY ON TEST: 743

DOSE: 1000 PPMLOW FEM

DISP: Terminal Sacrifice

HISTO: MB85-0981

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Zymbal's Gland		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Minimal
Eye	Lens	Cataract	Mild
[Cataract TGLS = 8-12]			
* Intestine Small, Duodenum		Intussusception	
[Intussusception TGLS = 5-14]			
* Liver		Hemangiosarcoma	
[Hemangiosarcoma TGLS = 6-5, 7-15]			
* Lung		Infiltration Cellular	Histiocyte, Focal, Mild
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
[Hyperplasia TGLS = 2-2]			
* Nose		Inflammation	Acute, Focal, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Skin		Acanthosis	Focal, Mild
[Acanthosis TGLS = 1-13]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 3-5]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 4-8]			

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 982	TRT#: 7	SEX: Female	DAY ON TEST: 639
	DOSE: 1000 PPMLOW FEM	DISP: Moribund Sacrifice	HISTO: MB85-0982

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

INSUFFICIENT TISSUE

* Zymbal's Gland

OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Lymph Node, Mandibular [Congestion TGLS = 2-2]	Congestion	Minimal
* Thymus	Necrosis	Moderate
* Uterus	Endometrium Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 983

TRT#: 7

SEX: Female

DAY ON TEST: 743

DOSE: 1000 PPMLOW FEM

DISP: Terminal Sacrifice

HISTO: MB85-0983

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Zymbal's Gland		

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Spleen		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 3-5]			
* Uterus		Dilatation	Moderate
[Dilatation TGLS = 1-8]	Endometrium	Hyperplasia	Cystic, Marked
[Hyperplasia TGLS = 2-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 984

TRT#: 7

SEX: Female

DAY ON TEST: 743

DOSE: 1000 PPMLOW FEM

DISP: Terminal Sacrifice

HISTO: MB85-0984

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Ovary		Cyst	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Thrombosis	Focal, Moderate
[Hyperplasia TGLS = 2-8]			
[Thrombosis TGLS = 3-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 985

TRT#: 7

SEX: Female

DAY ON TEST: 743

DOSE: 1000 PPMLOW FEM

DISP: Terminal Sacrifice

HISTO: MB85-0985

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Zymbal's Gland

OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Liver	Eosinophilic Focus	
	Necrosis	Focal, Minimal
[Eosinophilic Focus TGLS = 3-5.1]		
* Ovary	Cyst	
[Cyst TGLS = 2-8]		
* Thymus	Hyperplasia	Lymphoid, Mild
* Uterus	Dilatation	Marked
[Dilatation TGLS = 1-8]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 986

TRT#: 7

SEX: Female

DAY ON TEST: 743

DOSE: 1000 PPMLOW FEM

DISP: Terminal Sacrifice

HISTO: MB85-0986

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Zymbal's Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 2-5]			
* Spleen		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 3-5]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Focal, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 987

TRT#: 7

SEX: Female

DAY ON TEST: 743

DOSE: 1000 PPMLOW FEM

DISP: Terminal Sacrifice

HISTO: MB85-0987

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Zymbal's Gland		

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Intestine Large, Cecum		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Moderate
* Ovary		Cyst	
[Cyst TGLS = 2-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-3]			
* Spleen		Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 5-5]			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 988

TRT#: 7

SEX: Female

DAY ON TEST: 743

DOSE: 1000 PPMLOW FEM

DISP: Terminal Sacrifice

HISTO: MB85-0988

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Zymbal's Gland		

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Liver		Basophilic Focus	
		Hemangiosarcoma	
		Hepatocellular Adenoma	Multiple
[Basophilic Focus TGLS = 3-5]			
[Hemangiosarcoma TGLS = 5-12]			
[Hepatocellular Adenoma TGLS = 2-5, 4-12]			
* Lung		Alveolar/Bronchiolar Adenoma	
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Ovary		Cystadenoma	
[Cystadenoma TGLS = 6-8]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Focal, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 989

TRT#: 7

SEX: Female

DAY ON TEST: 743

DOSE: 1000 PPMLOW FEM

DISP: Terminal Sacrifice

HISTO: MB85-0989

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Bone [Dysplasia TGLS = 4-12]	Intervert Disc	Dysplasia	Focal, Mild
* Brain		Hydrocephalus	Mild
* Liver [Angiectasis TGLS = 2-5]		Angiectasis	Focal, Mild
* Ovary	Follicle	Hyperplasia	Cystic, Focal, Moderate
* Pancreas	Duct	Dilatation	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
Spinal Cord		Infiltration Cellular	Histiocyte, Focal, Mild
* Stomach, Forestomach		Ulcer	Focal, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 990

TRT#: 7

SEX: Female

DAY ON TEST: 743

DOSE: 1000 PPMLOW FEM

DISP: Terminal Sacrifice

HISTO: MB85-0990

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Ovary
* Parathyroid Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Zymbal's Gland
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OBSERVATIONS

* Adrenal Cortex		Lymphoma Malignant Lymphocytic	
* Kidney		Lymphoma Malignant Lymphocytic	
* Liver		Hepatocellular Adenoma	Multiple
		Lymphoma Malignant Lymphocytic	
Note: HEPATOCLR ADEN TGLs = 8-5 [Lymphoma Malignant Lymphocytic TGLS = 8-5,16,17]			
* Lung		Lymphoma Malignant Lymphocytic	
Lymph Node	Axillary	Lymphoma Malignant Lymphocytic	
	Deep Cervical	Lymphoma Malignant Lymphocytic	
	Inguinal	Lymphoma Malignant Lymphocytic	
	Lumbar	Lymphoma Malignant Lymphocytic	
	Mediastinal	Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 12-7,7-15,1-18,5-19,6-20,11-21,2-13] [Lymphoma Malignant Lymphocytic TGLS = 12-7,7-15,1-18,5-19,6-20,11-21,2-13] [Lymphoma Malignant Lymphocytic TGLS = 12-7,7-15,1-18,5-19,6-20,11-21,2-13] [Lymphoma Malignant Lymphocytic TGLS = 12-7,7-15,1-18,5-19,6-20,11-21,2-13] [Lymphoma Malignant Lymphocytic TGLS = 12-7,7-15,1-18,5-19,6-20,11-21,2-13]			
* Lymph Node, Mandibular		Lymphoma Malignant Lymphocytic	
		[Lymphoma Malignant Lymphocytic TGLS = 12-7, 7-15, 1-18, 5-19]	
* Lymph Node, Mesenteric		Lymphoma Malignant Lymphocytic	
		[Lymphoma Malignant Lymphocytic TGLS = 12-7, 7-15, 1-18, 5-19]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 990

TRT#: 7

SEX: Female

DAY ON TEST: 743

DOSE: 1000 PPMLOW FEM

DISP: Terminal Sacrifice

HISTO: MB85-0990

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Lymphoma Malignant Lymphocytic	
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Salivary Glands		Lymphoma Malignant Lymphocytic	
	[Lymphoma Malignant Lymphocytic TGLS = 3-13]		
* Spleen		Lymphoma Malignant Lymphocytic	
	[Lymphoma Malignant Lymphocytic TGLS = 14-5]		
* Thymus		Lymphoma Malignant Lymphocytic	
Tissue NOS		Lymphoma Malignant Lymphocytic	
	[Lymphoma Malignant Lymphocytic TGLS = 13-14]		
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Lymphoma Malignant Lymphocytic	
	[Hyperplasia TGLS = 9-8]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 991	TRT#: 7	SEX: Female	DAY ON TEST: 743
	DOSE: 1000 PPMLOW FEM	DISP: Terminal Sacrifice	HISTO: MB85-0991

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Zymbal's Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Kidney	Glomerulus	Inflammation	Chronic, Mild
* Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 3-12]			
* Ovary		Cyst	
[Cyst TGLS = 1-8]			
* Uterus	Endometrium	Dilatation	Moderate
[Dilatation TGLS = 2-8]		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 2-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 992

TRT#: 7

SEX: Female

DAY ON TEST: 743

DOSE: 1000 PPMLOW FEM

DISP: Terminal Sacrifice

HISTO: MB85-0992

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Zymbal's Gland

OBSERVATIONS

* Brain	Mineralization	Focal, Minimal
* Liver	Angiectasis	Focal, Mild
[Angiectasis TGLS = 4-5]	Basophilic Focus	
* Lymph Node, Mandibular	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 1-2]		
* Ovary	Cyst	
[Hematocyst TGLS = 2-8]	Hematocyst	
* Uterus	Dilatation	Marked
[Dilatation TGLS = 3-8]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 993

TRT#: 7

SEX: Female

DAY ON TEST: 590

DOSE: 1000 PPMLOW FEM

DISP: Moribund Sacrifice

HISTO: MB85-0993

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal 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
* Kidney	* Mammary Gland	* Nose	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Gallbladder	* Lymph Node, Mandibular	* Parathyroid Gland	* Zymbal's Gland
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OBSERVATIONS

* Adrenal Cortex		Lymphoma Malignant Lymphocytic	
* Brain		Mineralization	Focal, Mild
* Liver		Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 3-5, 4-5]			
* Lung		Lymphoma Malignant Lymphocytic	
Lymph Node	Bronchial	Lymphoma Malignant Lymphocytic	
	Mediastinal	Lymphoma Malignant Lymphocytic	
	Renal	Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 6-7,10-6,9-12,11-13]			
[Lymphoma Malignant Lymphocytic TGLS = 6-7,10-6,9-12,11-13]			
[Lymphoma Malignant Lymphocytic TGLS = 6-7,10-6,9-12,11-13]			
* Lymph Node, Mesenteric		Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 6-7, 10-6, 9-12, 11-13]			
* Ovary		Cyst	
		Lymphoma Malignant Lymphocytic	
[Cyst TGLS = 7-8]			
* Pancreas		Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 12-2]			
* Spleen		Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 5-5]			
* Thymus		Lymphoma Malignant Lymphocytic	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 993	TRT#: 7	SEX: Female	DAY ON TEST: 590
	DOSE: 1000 PPMLOW FEM	DISP: Moribund Sacrifice	HISTO: MB85-0993

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus	Endometrium	Hyperplasia Lymphoma Malignant Lymphocytic	Cystic, Mild
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[Hyperplasia TGLS = 8-8]

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 994

TRT#: 7

SEX: Female

DAY ON TEST: 743

DOSE: 1000 PPMLOW FEM

DISP: Terminal Sacrifice

HISTO: MB85-0994

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Zymbal's Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Minimal
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
* Ovary		Mineralization	Focal, Mild
		Pigmentation	Focal, Moderate
* Pancreas		Accessory Spleen	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-3]			
* Thymus		Hemorrhage	Focal, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 995

TRT#: 7

SEX: Female

DAY ON TEST: 743

DOSE: 1000 PPMLOW FEM

DISP: Terminal Sacrifice

HISTO: MB85-0995

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Zymbal's Gland

MISSING

* Parathyroid Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Liver		Eosinophilic Focus	
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
[Alveolar/Bronchiolar Adenoma TGLS = 2-12, 3-13]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 996

TRT#: 7

SEX: Female

DAY ON TEST: 669

DOSE: 1000 PPMLOW FEM

DISP: Natural Death

HISTO: MB85-0996

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Zymbal's Gland		

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Heart		Lymphoma Malignant Histiocytic	
* Intestine Small, Ileum		Lymphoma Malignant Histiocytic	
[Lymphoma Malignant Histiocytic TGLS = 7-12, 6-13]			
* Intestine Small, Jejunum		Lymphoma Malignant Histiocytic	
[Lymphoma Malignant Histiocytic TGLS = 7-12, 6-13]			
* Liver		Lymphoma Malignant Histiocytic	
* Lung		Hemorrhage	Focal, Moderate
[Hemorrhage TGLS = 9-6]			
* Lymph Node, Mesenteric		Lymphoma Malignant Histiocytic	
[Lymphoma Malignant Histiocytic TGLS = 4,5-8,14]			
* Ovary		Cyst	
[Cyst TGLS = 2-8]			
* Spleen		Hematopoietic Cell Proliferation	Mild
[Hematopoietic Cell Proliferation TGLS = 1-5]			
* Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 3-8]			

PRIMARY CAUSE OF DEATH -

Animal Note: THE NEOPLASTIC FOCI CONTAIN VARIABLE

Animal Note: AMOUNTS OF AMYLOID-LIKE MATERIAL.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 997

TRT#: 7

SEX: Female

DAY ON TEST: 743

DOSE: 1000 PPMLOW FEM

DISP: Terminal Sacrifice

HISTO: MB85-0997

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Zymbal's Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Ovary		Cyst	
[Cyst TGLS = 3-8]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Focal, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 2-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 998

TRT#: 7

SEX: Female

DAY ON TEST: 743

DOSE: 1000 PPMLOW FEM

DISP: Terminal Sacrifice

HISTO: MB85-0998

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Zymbal's Gland		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Kidney		Nephropathy	Moderate
* Liver	Centrilobular	Cytomegaly	Moderate
	[Hepatocellular Carcinoma TGLS = 5-5]	Hepatocellular Carcinoma	
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-3]		
* Spleen		Hematopoietic Cell Proliferation	Mild
	[Hematopoietic Cell Proliferation TGLS = 4-5]		
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLS = 3-8]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 999

TRT#: 7

SEX: Female

DAY ON TEST: 743

DOSE: 1000 PPMLOW FEM

DISP: Terminal Sacrifice

HISTO: MB85-0999

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Parathyroid Gland
* Salivary Glands	* Skin	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Zymbal's Gland	

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Intestine Small, Duodenum		Hepatocholangiocarcinoma	Metastatic (Liver)
* Kidney		Infiltration Cellular	Lymphocyte, Focal, Moderate
* Liver		Hepatocholangiocarcinoma	
Note: OR EVEN SARCOMATOUS IN APPEARANCE.			
Note: MUCH OF IT AND THE METASTATIC SITES ARE UNDIFFERENTIATED			
Note: THE PRIMARY TUMOR APPEARS TO			
Note: BE ONE OF HEPATOCYTES AND BILE DUCTS ALTHOUGH			
[Hepatocholangiocarcinoma TGLS = 10,11-5, 13-12, 12-13]			
* Lung		Hepatocholangiocarcinoma	Metastatic (Liver)
[Hepatocholangiocarcinoma TGLS = 1,2-6,15]			
Lymph Node	Lumbar	Hepatocholangiocarcinoma	Metastatic (Liver)
	Mediastinal	Hepatocholangiocarcinoma	Metastatic (Liver)
	Renal	Hepatocholangiocarcinoma	Metastatic (Liver)
[Hepatocholangiocarcinoma TGLS = 3-14, 14-19, 15-18]			
[Hepatocholangiocarcinoma TGLS = 3-14, 14-19, 15-18]			
[Hepatocholangiocarcinoma TGLS = 3-14, 14-19, 15-18]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 16-2]			
* Lymph Node, Mesenteric		Hemorrhage	Mild
		Hepatocholangiocarcinoma	Metastatic (Liver)
[Hemorrhage TGLS = 8-7]			
[Hepatocholangiocarcinoma TGLS = 3-14, 14-19, 15-18]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 999	TRT#: 7	SEX: Female	DAY ON TEST: 743
	DOSE: 1000 PPMLOW FEM	DISP: Terminal Sacrifice	HISTO: MB85-0999

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery [Hepatocholangiocarcinoma TGLS = 6-16]		Hepatocholangiocarcinoma	Metastatic (Liver)
* Ovary		Infiltration Cellular	Lymphocyte, Focal, Moderate
* Pancreas [Inflammation TGLS = 5-2]		Hepatocholangiocarcinoma Inflammation	Metastatic (Liver) Chronic Active, Focal, Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Skeletal Muscle [Hepatocholangiocarcinoma TGLS = 9-17]	Diaphragm	Hepatocholangiocarcinoma	Metastatic (Liver)
* Spleen [Hyperplasia TGLS = 4-5]		Hyperplasia	Lymphoid, Moderate
* Stomach, Forestomach		Hepatocholangiocarcinoma	Metastatic (Liver)
* Stomach, Glandular		Hepatocholangiocarcinoma	Metastatic (Liver)
* Uterus [Hyperplasia TGLS = 7-8]	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1000

TRT#: 7

SEX: Female

DAY ON TEST: 743

DOSE: 1000 PPMLOW FEM

DISP: Terminal Sacrifice

HISTO: MB85-1000

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Zymbal's Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Minimal
Ear	Pinna	Inflammation	Chronic Active, Focal, Moderate
[Inflammation TGLS = 4-13]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 5-2]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Skin		Inflammation	Chronic Active, Focal, Moderate
[Inflammation TGLS = 1,2-12]			
* Uterus		Dilatation	Marked
[Dilatation TGLS = 3-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1001

TRT#: 7

SEX: Female

DAY ON TEST: 743

DOSE: 1000 PPMLOW FEM

DISP: Terminal Sacrifice

HISTO: MB85-1001

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Zymbal's Gland	

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Minimal
* Brain		Mineralization	Focal, Mild
* Liver		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 3-5]			
* Ovary		Cyst	
[Cyst TGLS = 1-8]			
* Thymus		Hyperplasia	Lymphoid, Mild
* Uterus		Dilatation	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 2-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1002

TRT#: 7

SEX: Female

DAY ON TEST: 743

DOSE: 1000 PPMLOW FEM

DISP: Terminal Sacrifice

HISTO: MB85-1002

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Zymbal's Gland			

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 2-5, 3-12]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1003

TRT#: 7

SEX: Female

DAY ON TEST: 743

DOSE: 1000 PPMLOW FEM

DISP: Terminal Sacrifice

HISTO: MB85-1003

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Zymbal's Gland			

OBSERVATIONS

* Brain		Mineralization	Focal, Minimal
* Liver		Clear Cell Focus	
[Clear Cell Focus TGLS = 4-5]			
Mesentery	Fat	Necrosis	Focal, Mild
[Necrosis TGLS = 2-12]			
* Nose		Inflammation	Acute, Focal, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 3-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1004

TRT#: 7

SEX: Female

DAY ON TEST: 554

DOSE: 1000 PPMLOW FEM

DISP: Moribund Sacrifice

HISTO: MB85-1004

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea			

MISSING

* Adrenal Cortex	* Adrenal Medulla	* Gallbladder	* Parathyroid Gland
* Zymbal's Gland			

OBSERVATIONS

* Heart		Histiocytic Sarcoma	
* Liver		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 3-5]			
* Lung		Histiocytic Sarcoma	
Mesentery		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 7-2]			
* Nose			
Note: THE BEST POSSIBLE NOSE SECTION IS PRESENT.			
Note: NO RESIDUAL IN WET TISSUE.			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma TGLS = 4-2]			
Tissue NOS		Carcinoma	Metastatic (Thyroid Gland)
Note: CARCINOMA ORIGINATES IN FOLLICULAR CELL OF THYROID.			
[Carcinoma TGLS = 1-2]			
* Urinary Bladder		Histiocytic Sarcoma	
* Uterus		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 8-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1004

TRT#: 7

SEX: Female

DAY ON TEST: 554

DOSE: 1000 PPMLOW FEM

DISP: Moribund Sacrifice

HISTO: MB85-1004

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1005

TRT#: 7

SEX: Female

DAY ON TEST: 743

DOSE: 1000 PPMLOW FEM

DISP: Terminal Sacrifice

HISTO: MB85-1005

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Zymbal's Gland		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
* Brain		Mineralization	Focal, Mild
* Intestine Small, Duodenum		Hyperplasia	Lymphoid, Marked
[Hyperplasia TGLS = 3-14]			
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Infiltration Cellular	Lymphocyte, Focal, Mild
[Eosinophilic Focus TGLS = 7,8-13,14]			
[Hepatocellular Adenoma TGLS = 5-5,6-12]			
[Hepatocellular Carcinoma TGLS = 4-5]			
* Spleen		Hematopoietic Cell Proliferation	Mild
[Hematopoietic Cell Proliferation TGLS = 2-5]			
* Thymus		Cyst	
* Uterus		Dilatation	Marked
	Endometrium	Hyperplasia	Cystic, Moderate
[Dilatation TGLS = 1-8]			
[Hyperplasia TGLS = 1-8]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1006

TRT#: 7

SEX: Female

DAY ON TEST: 743

DOSE: 1000 PPMLOW FEM

DISP: Terminal Sacrifice

HISTO: MB85-1006

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Zymbal's Gland		

MISSING

* Gallbladder

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Intestine Small, Jejunum		Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 2-12]			
* Liver		Fatty Change	Focal, Minimal
* Ovary		Granulosa Cell Tumor Benign	
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1007

TRT#: 7

SEX: Female

DAY ON TEST: 743

DOSE: 1000 PPMLOW FEM

DISP: Terminal Sacrifice

HISTO: MB85-1007

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Zymbal's Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Lymph Node, Mandibular [Hyperplasia TGLS = 2-2]		Hyperplasia	Plasma Cell, Moderate
* Ovary [Cyst TGLS = 3-8]		Cyst	
* Skin [Inflammation TGLS = 1-12]		Inflammation	Chronic Active, Focal, Moderate
* Uterus [Hyperplasia TGLS = 4-8]	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1008

TRT#: 7

SEX: Female

DAY ON TEST: 743

DOSE: 1000 PPMLOW FEM

DISP: Terminal Sacrifice

HISTO: MB85-1008

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Liver		Hepatocellular Adenoma	
		Infiltration Cellular	Lymphocyte, Focal, Mild
Lymph Node	Lumbar	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 4-12]			
* Lymph Node, Mandibular		Cyst	
[Cyst TGLS = 1-2]			
* Spleen		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 2-5]			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 3-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1009

TRT#: 7

SEX: Female

DAY ON TEST: 743

DOSE: 1000 PPMLOW FEM

DISP: Terminal Sacrifice

HISTO: MB85-1009

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Zymbal's Gland			

OBSERVATIONS

* Brain		Mineralization	Focal, Minimal
* Kidney		Lymphoma Malignant Mixed	
* Liver		Hepatocellular Carcinoma	
		Lymphoma Malignant Mixed	
[Hepatocellular Carcinoma TGLS = 5,6-5]			
[Lymphoma Malignant Mixed TGLS = 8-14]			
Lymph Node	Pancreatic	Lymphoma Malignant Mixed	
	Renal	Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 7-13, 10-7, 1-12]			
[Lymphoma Malignant Mixed TGLS = 7-13, 10-7, 1-12]			
* Lymph Node, Mesenteric		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 7-13, 10-7, 1-12]			
* Ovary		Cyst	Minimal
		Lymphoma Malignant Mixed	
* Spleen		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 2,3-5]			
* Stomach, Forestomach		Ulcer	Focal, Moderate
[Ulcer TGLS = 9-15.1]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 4-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1010

TRT#: 7

SEX: Female

DAY ON TEST: 743

DOSE: 1000 PPMLOW FEM

DISP: Terminal Sacrifice

HISTO: MB85-1010

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mesenteric	* Zymbal's Gland
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OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Liver		Hemangiosarcoma	Metastatic (Skin)
[Hemangiosarcoma TGLS = 4-13]			
* Lung	Interstitial	Inflammation	Focal, Mild
* Lymph Node, Mandibular		Infiltration Cellular	Mast Cell, Mild
* Ovary		Cyst	
* Skin	Subcut Tiss	Hemangiosarcoma	
[Hemangiosarcoma TGLS = 1-7, 2-12]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus		Dilatation	Moderate
[Dilatation TGLS = 3-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1011

TRT#: 7

SEX: Female

DAY ON TEST: 743

DOSE: 1000 PPMLOW FEM

DISP: Terminal Sacrifice

HISTO: MB85-1011

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 2-5]			
* Lymph Node, Mesenteric		Angiectasis	Focal, Mild
[Angiectasis TGLS = 3-7]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Focal, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 1-8]			
* Zymbal's Gland	Duct	Dilatation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1012

TRT#: 7

SEX: Female

DAY ON TEST: 522

DOSE: 1000 PPMLOW FEM

DISP: Moribund Sacrifice

HISTO: MB85-1012

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Zymbal's Gland		

OBSERVATIONS

* Bone	Vertebra	Hemangiosarcoma	Extension
* Bone Marrow	Vertebral	Hemangiosarcoma	
Skeletal Muscle	Back	Hemangiosarcoma	Extension
[Hemangiosarcoma TGLS = 1-12]			
* Uterus		Dilatation	Moderate
[Dilatation TGLS = 2-8]			
		Hemangiosarcoma	Metastatic (Bone Marrow)

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1013

TRT#: 7

SEX: Female

DAY ON TEST: 743

DOSE: 1000 PPMLOW FEM

DISP: Terminal Sacrifice

HISTO: MB85-1013

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland	* Zymbal's Gland
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OBSERVATIONS

* Brain		Mineralization	Focal, Minimal
* Ovary		Cyst	
[Cyst TGLS = 1-8]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Focal, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[Hyperplasia TGLS = 2-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1014

TRT#: 7

SEX: Female

DAY ON TEST: 743

DOSE: 1000 PPMLOW FEM

DISP: Terminal Sacrifice

HISTO: MB85-1014

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Thymus	* Trachea
* Urinary Bladder	* Zymbal's Gland		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Liver		Eosinophilic Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
* Stomach, Glandular		Inflammation	Acute, Focal, Minimal
* Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Focal, Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

[Hyperplasia TGLS = 1-8]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1015

TRT#: 7

SEX: Female

DAY ON TEST: 743

DOSE: 1000 PPMLOW FEM

DISP: Terminal Sacrifice

HISTO: MB85-1015

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Zymbal's Gland

MISSING

* Parathyroid Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hemangiosarcoma	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
	[Eosinophilic Focus TGLS = 6-12]		
	[Hemangiosarcoma TGLS = 5-5]		
	[Hepatocellular Adenoma TGLS = 4-13]		
	[Hepatocellular Carcinoma TGLS = 3-13]		
* Lung		Alveolar/Bronchiolar Adenoma	
		Infiltration Cellular	Histiocyte, Focal, Mild
	[Alveolar/Bronchiolar Adenoma TGLS = 2-12]		
Mesentery	Fat	Necrosis	Focal, Mild
	[Necrosis TGLS = 1-14]		
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1016

TRT#: 7

SEX: Female

DAY ON TEST: 743

DOSE: 1000 PPMLOW FEM

DISP: Terminal Sacrifice

HISTO: MB85-1016

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Kidney	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone		Fibrous Osteodystrophy	Moderate
* Brain		Mineralization	Focal, Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLS = 4-12]		
* Spleen		Lymphoma Malignant Histiocytic	
	[Lymphoma Malignant Histiocytic TGLS = 3-5]		
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
	[Hyperplasia TGLS = 2-8]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1017

TRT#: 7

SEX: Female

DAY ON TEST: 743

DOSE: 1000 PPMLOW FEM

DISP: Terminal Sacrifice

HISTO: MB85-1017

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Zymbal's Gland	

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Liver		Eosinophilic Focus	
[Eosinophilic Focus TGLS = 2-12]			
* Parathyroid Gland		Infiltration Cellular	Lymphocyte, Focal, Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Focal, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1018

TRT#: 7

SEX: Female

DAY ON TEST: 743

DOSE: 1000 PPMLOW FEM

DISP: Terminal Sacrifice

HISTO: MB85-1018

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Zymbal's Gland

MISSING

* Parathyroid Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Ovary		Cyst	
[Cyst TGLS = 1-8]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Focal, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 2-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1019	TRT#: 7	SEX: Female	DAY ON TEST: 743
	DOSE: 1000 PPMLOW FEM	DISP: Terminal Sacrifice	HISTO: MB85-1019

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal 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	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Zymbal's Gland

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Brain		Mineralization	Focal, Mild
* Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 3-5]			
* Ovary		Cyst	
* Pancreas	Duct	Dilatation	Moderate
[Dilatation TGLS = 1-2]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 2-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1020

TRT#: 7

SEX: Female

DAY ON TEST: 648

DOSE: 1000 PPMLOW FEM

DISP: Moribund Sacrifice

HISTO: MB85-1020

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Zymbal's Gland	

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Liver		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 5-18]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
[Hepatocellular Carcinoma TGLS = 6-14,15,16,6,17]			
Lymph Node	Bronchial	Hepatocellular Carcinoma	Metastatic (Liver)
[Hepatocellular Carcinoma TGLS = 7-13]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 1-12]			
* Spleen		Hematopoietic Cell Proliferation	Mild
[Hematopoietic Cell Proliferation TGLS = 8-5]			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 3-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1021

TRT#: 7

SEX: Female

DAY ON TEST: 639

DOSE: 1000 PPMLOW FEM

DISP: Natural Death

HISTO: MB85-1021

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Zymbal's Gland			

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Bone Marrow		Lymphoma Malignant Lymphocytic	
* Brain		Mineralization	Focal, Mild
* Gallbladder		Dilatation	Moderate
[Dilatation TGLS = 9-5]			
* Liver		Lymphoma Malignant Lymphocytic	
* Lung		Lymphoma Malignant Lymphocytic	
* Lymph Node, Mesenteric		Lymphoma Malignant Lymphocytic	
Mesentery		Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 4-12, 8-14]			
* Ovary		Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 5-8]			
Skeletal Muscle	Diaphragm	Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 7-13]			
* Spleen		Hematopoietic Cell Proliferation	Mild
[Hematopoietic Cell Proliferation TGLS = 6-5]			
* Thymus		Lymphoma Malignant Lymphocytic	
* Urinary Bladder		Lymphoma Malignant Lymphocytic	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Lymphoma Malignant Lymphocytic	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1021

TRT#: 7

SEX: Female

DAY ON TEST: 639

DOSE: 1000 PPMLOW FEM

DISP: Natural Death

HISTO: MB85-1021

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1022

TRT#: 7

SEX: Female

DAY ON TEST: 679

DOSE: 1000 PPMLOW FEM

DISP: Moribund Sacrifice

HISTO: MB85-1022

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Esophagus
* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Zymbal's Gland

OBSERVATIONS

* Bone	Dorsal	Osteosarcoma	
[Osteosarcoma TGLS = 13-12,13]			
* Brain		Mineralization	Focal, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Bilateral	Osteosarcoma	Metastatic (Bone)
[Osteosarcoma TGLS = 5,6-8]			
* Liver		Angiectasis	Focal, Minimal
		Osteosarcoma	Metastatic (Bone)
Note: OF LIVER (L8) ON RETRIM.			
Note: NO FOCI COULD BE FOUND ON CAUDATE LOBE			
[Osteosarcoma TGLS = 7,9,10-5]			
* Lung		Osteosarcoma	Metastatic (Bone)
[Osteosarcoma TGLS = 11-14,6,15]			
Lymph Node	Bronchial	Osteosarcoma	Metastatic (Bone)
[Osteosarcoma TGLS = 12-6]			
* Pituitary Gland	Pars Distalis	Cyst	
[Cyst TGLS = 14-3]			
* Urinary Bladder		Dilatation	Marked
[Dilatation TGLS = 3-8]			
* Uterus		Dilatation	Moderate
[Dilatation TGLS = 2-8]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1023

TRT#: 7

SEX: Female

DAY ON TEST: 743

DOSE: 1000 PPMLOW FEM

DISP: Terminal Sacrifice

HISTO: MB85-1023

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Zymbal's Gland

MISSING

* Parathyroid Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 2-5]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1024

TRT#: 7

SEX: Female

DAY ON TEST: 743

DOSE: 1000 PPMLOW FEM

DISP: Terminal Sacrifice

HISTO: MB85-1024

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Zymbal's Gland	

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Intestine Small, Jejunum		Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 4-13]			
* Kidney		Metaplasia	Osseous, Focal, Mild
* Liver		Lymphoma Malignant Lymphocytic	
Lymph Node	Pancreatic	Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 3-12, 5-14]			
* Lymph Node, Mandibular		Cyst	
[Cyst TGLS = 7-2]		Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 7-2]			
* Lymph Node, Mesenteric		Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 3-12, 5-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-3]			
* Spleen		Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 2-5]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Focal, Mild
* Uterus		Dilatation	Moderate
	Endometrium	Hyperplasia	Cystic, Mild
[Dilatation TGLS = 1-8]			
[Hyperplasia TGLS = 1-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1024

TRT#: 7

SEX: Female

DAY ON TEST: 743

DOSE: 1000 PPMLOW FEM

DISP: Terminal Sacrifice

HISTO: MB85-1024

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1025

TRT#: 7

SEX: Female

DAY ON TEST: 648

DOSE: 1000 PPMLOW FEM

DISP: Moribund Sacrifice

HISTO: MB85-1025

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Pancreas	* Pituitary Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Urinary Bladder			

MISSING

* Gallbladder	* Lymph Node, Mesenteric	* Parathyroid Gland	* Zymbal's Gland
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OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Heart	Lymphoma Malignant Lymphocytic	
* Intestine Large, Cecum	Lymphoma Malignant Lymphocytic	
* Kidney	Lymphoma Malignant Lymphocytic	
* Liver	Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 4-17,18,5]		
* Lung	Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 6-6+16]		
Lymph Node	Lymphoma Malignant Lymphocytic	
Bronchial	Lymphoma Malignant Lymphocytic	
Mediastinal		
[Lymphoma Malignant Lymphocytic TGLS = 1-12, 9-14, 5+7-15]		
[Lymphoma Malignant Lymphocytic TGLS = 1-12, 9-14, 5+7-15]		
* Lymph Node, Mandibular	Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 1-12, 9-14, 5+7-15]		
* Ovary	Lymphoma Malignant Lymphocytic	
* Skin	Inflammation	Chronic Active, Focal, Moderate
[Inflammation TGLS = 8-13]		
* Spleen	Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 2-5]		
* Trachea	Lymphoma Malignant Lymphocytic	
* Uterus	Endometrium Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1025

TRT#: 7

SEX: Female

DAY ON TEST: 648

DOSE: 1000 PPMLOW FEM

DISP: Moribund Sacrifice

HISTO: MB85-1025

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 3-8]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1026

TRT#: 7

SEX: Female

DAY ON TEST: 743

DOSE: 1000 PPMLOW FEM

DISP: Terminal Sacrifice

HISTO: MB85-1026

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Liver	* Mammary Gland
* Nose	* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland	* Zymbal's Gland
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OBSERVATIONS

* Bone Marrow		Lymphoma Malignant Mixed Mineralization	Focal, Minimal
* Brain			
* Lung		Lymphoma Malignant Mixed	
Lymph Node	Lumbar	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
	Pancreatic	Lymphoma Malignant Mixed	
	Renal	Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 9-7, 2-2, 3-12, 7-13, 8-14]			
[Lymphoma Malignant Mixed TGLS = 9-7, 2-2, 3-12, 7-13, 8-14]			
[Lymphoma Malignant Mixed TGLS = 9-7, 2-2, 3-12, 7-13, 8-14]			
[Lymphoma Malignant Mixed TGLS = 9-7, 2-2, 3-12, 7-13, 8-14]			
* Lymph Node, Mandibular		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 9-7, 2-2, 3-12, 7-13]			
* Lymph Node, Mesenteric		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 9-7, 2-2, 3-12, 7-13]			
* Ovary		Cyst	
		Lymphoma Malignant Mixed	
[Cyst TGLS = 5-8.1]			
* Pancreas		Lymphoma Malignant Mixed	
* Skin		Inflammation	Chronic Active, Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1026	TRT#: 7	SEX: Female	DAY ON TEST: 743
	DOSE: 1000 PPMLOW FEM	DISP: Terminal Sacrifice	HISTO: MB85-1026

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 1-15]			
* Spleen		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 4-5]			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 6-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1027

TRT#: 7

SEX: Female

DAY ON TEST: 743

DOSE: 1000 PPMLOW FEM

DISP: Terminal Sacrifice

HISTO: MB85-1027

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Zymbal's Gland			

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Kidney		Infiltration Cellular	Lymphocyte, Focal, Mild
* Liver		Eosinophilic Focus	
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 3-12]			
* Lymph Node, Mandibular		Cyst	
		Hyperplasia	Lymphoid, Mild
[Cyst TGLS = 4-2]			
[Hyperplasia TGLS = 4-2]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Focal, Mild
* Thymus		Hyperplasia	Lymphoid, Mild
* Uterus		Dilatation	Marked
		Sarcoma Stromal	
[Dilatation TGLS = 1-8]			
[Sarcoma Stromal TGLS = 2-12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1028

TRT#: 7

SEX: Female

DAY ON TEST: 693

DOSE: 1000 PPMLOW FEM

DISP: Moribund Sacrifice

HISTO: MB85-1028

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Zymbal's Gland		

MISSING

* Thymus

OBSERVATIONS

* Brain		Hemorrhage	Focal, Minimal
		Mineralization	Focal, Mild
		Edema	Mild
* Lymph Node, Mandibular [Edema TGLS = 1-2]			
* Ovary [Cyst TGLS = 5-8]		Cyst	
* Skin [Hemangiosarcoma TGLS = 6-13]	Subcut Tiss	Hemangiosarcoma	
* Spleen [Hemangiosarcoma TGLS = 2,3-12]		Hemangiosarcoma	
		Hematopoietic Cell Proliferation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1029

TRT#: 7

SEX: Female

DAY ON TEST: 743

DOSE: 1000 PPMLOW FEM

DISP: Terminal Sacrifice

HISTO: MB85-1029

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Kidney	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Zymbal's Gland			

MISSING

* Gallbladder

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 3-5, 2-13, 4-12]			
* Lung		Alveolar/Bronchiolar Adenoma	
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 6-2]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Thymus		Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 5-3]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1030

TRT#: 7

SEX: Female

DAY ON TEST: 744

DOSE: 1000 PPMLOW FEM

DISP: Terminal Sacrifice

HISTO: MB85-1030

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Zymbal's Gland

MISSING

* Parathyroid Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Kidney		Nephropathy	Minimal
* Thymus		Cyst	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

[Hyperplasia TGLS = 1-8]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1041

TRT#: 8

SEX: Female

DAY ON TEST: 742

DOSE: 3000 PPM MID FEM

DISP: Terminal Sacrifice

HISTO: MB85-1041

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Mammary Gland	* Nose
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	Zymbal's Gland		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Kidney	Renal Tubule	Dilatation	Focal, Marked
		Nephropathy	Minimal
[Dilatation TGLS = 3-8,12]			
* Ovary		Cyst	
[Cyst TGLS = 1-8]			
* Thymus		Hyperplasia	Lymphoid, Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Focal, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 2-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1042	TRT#: 8	SEX: Female	DAY ON TEST: 742
	DOSE: 3000 PPM MID FEM	DISP: Terminal Sacrifice	HISTO: MB85-1042

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

Zymbal's Gland

OBSERVATIONS

* Adrenal Cortex		Hemorrhage	Focal, Mild
* Brain		Mineralization	Focal, Mild
* Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 3-5]			
* Lung		Alveolar/Bronchiolar Adenoma	
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 2-5,12]			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1043

TRT#: 8

SEX: Female

DAY ON TEST: 742

DOSE: 3000 PPMID FEM

DISP: Terminal Sacrifice

HISTO: MB85-1043

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	Zymbal's Gland

OBSERVATIONS

* Adrenal Cortex		Hemorrhage	Focal, Mild
* Brain		Mineralization	Focal, Mild
* Ovary		Cyst	
[Cyst TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Sarcoma Stromal	
[Sarcoma Stromal TGLS = 2-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1044

TRT#: 8

SEX: Female

DAY ON TEST: 742

DOSE: 3000 PPM MID FEM

DISP: Terminal Sacrifice

HISTO: MB85-1044

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	Zymbal's Gland

MISSING

* Lymph Node, Mesenteric

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Mild
* Brain		Mineralization	Focal, Mild
Harderian Gland		Adenoma	
[Adenoma TGLS = 1-12]			
* Liver		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 3-5]			
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
[Hyperplasia TGLS = 2-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1045

TRT#: 8

SEX: Female

DAY ON TEST: 742

DOSE: 3000 PPM MID FEM

DISP: Terminal Sacrifice

HISTO: MB85-1045

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	Zymbal's Gland

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hemorrhage	Focal, Minimal
* Brain		Mineralization	Focal, Mild
* Lymph Node, Mandibular [Cyst TGLS = 1-2]		Cyst	
Mesentery [Necrosis TGLS = 2-12]	Fat	Necrosis	Focal, Mild
* Uterus [Hyperplasia TGLS = 3-8]	Endometrium	Hyperplasia	Cystic, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1046

TRT#: 8

SEX: Female

DAY ON TEST: 742

DOSE: 3000 PPMID FEM

DISP: Terminal Sacrifice

HISTO: MB85-1046

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
Zymbal's Gland			

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Kidney		Lymphoma Malignant Mixed	
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Lymphoma Malignant Mixed	
[Hepatocellular Carcinoma TGLS = 5-5,13,14]			
* Lung		Lymphoma Malignant Mixed	
Lymph Node	Lumbar	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
	Pancreatic	Lymphoma Malignant Mixed	
	Renal	Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 2-12, 7-15, 8-16, 4-15, 18, 1-2, 17]			
[Lymphoma Malignant Mixed TGLS = 2-12, 7-15, 8-16, 4-15, 18, 1-2, 17]			
[Lymphoma Malignant Mixed TGLS = 2-12, 7-15, 8-16, 4-15, 18, 1-2, 17]			
[Lymphoma Malignant Mixed TGLS = 2-12, 7-15, 8-16, 4-15, 18, 1-2, 17]			
* Lymph Node, Mandibular		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 2-12, 7-15, 8-16, 4-15,18]			
* Lymph Node, Mesenteric		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 2-12, 7-15, 8-16, 4-15,18]			
* Spleen		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 3-5,13,14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1046	TRT#: 8	SEX: Female	DAY ON TEST: 742
	DOSE: 3000 PPM MID FEM	DISP: Terminal Sacrifice	HISTO: MB85-1046

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
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PRIMARY CAUSE OF DEATH

-

Animal Note: NO AXILLARY LN PRESENT. NCL-9

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1047

TRT#: 8

SEX: Female

DAY ON TEST: 742

DOSE: 3000 PPM MID FEM

DISP: Terminal Sacrifice

HISTO: MB85-1047

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	Zymbal's Gland	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Liver		Eosinophilic Focus	
* Spleen		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 2-5]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Focal, Mild
		Inflammation	Chronic Active, Focal, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1048

TRT#: 8

SEX: Female

DAY ON TEST: 742

DOSE: 3000 PPM MID FEM

DISP: Terminal Sacrifice

HISTO: MB85-1048

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	Zymbal's Gland	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Minimal
* Kidney		Infarct	Chronic, Focal, Moderate
Lymph Node	Lumbar	Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 2-12]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Focal, Minimal
* Uterus	Endometrium	Dilatation	Marked
[Dilatation TGLS = 1-8]		Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1049

TRT#: 8

SEX: Female

DAY ON TEST: 742

DOSE: 3000 PPM MID FEM

DISP: Terminal Sacrifice

HISTO: MB85-1049

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Ovary		Cyst	
[Cyst TGLS = 1-8]			
* Uterus		Dilatation	Moderate
	Endometrium	Hyperplasia	Cystic, Moderate
[Dilatation TGLS = 2-8]			
[Hyperplasia TGLS = 2-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1050

TRT#: 8

SEX: Female

DAY ON TEST: 742

DOSE: 3000 PPM MID FEM

DISP: Terminal Sacrifice

HISTO: MB85-1050

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	Zymbal's Gland	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
Lymph Node	Lumbar	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
	Renal	Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 5-12, 2-12, 1-2, 6-13]			
[Lymphoma Malignant Mixed TGLS = 5-12, 2-12, 1-2, 6-13]			
[Lymphoma Malignant Mixed TGLS = 5-12, 2-12, 1-2, 6-13]			
* Lymph Node, Mandibular		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 5-12, 2-12, 1-2, 6-13]			
* Lymph Node, Mesenteric		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 5-12, 2-12, 6-13, 1-2]			
* Spleen		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 4-5]			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 3-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1051

TRT#: 8

SEX: Female

DAY ON TEST: 742

DOSE: 3000 PPM MID FEM

DISP: Terminal Sacrifice

HISTO: MB85-1051

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
* Kidney	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	Zymbal's Gland		

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Moderate
		Hypertrophy	Focal, Moderate
* Adrenal Medulla		Pheochromocytoma Benign	
* Brain		Mineralization	Focal, Mild
* Lung	Interstitialium	Inflammation	Focal, Minimal
* Ovary		Cyst	
[Cyst TGLS = 2-8]			
* Thyroid Gland	Follicle	Dilatation	Focal, Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Polyp Stromal	
[Hyperplasia TGLS = 1-8]			
[Polyp Stromal TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1052	TRT#: 8	SEX: Female	DAY ON TEST: 742
	DOSE: 3000 PPM MID FEM	DISP: Terminal Sacrifice	HISTO: MB85-1052

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Zymbal's Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 5-5,6-12]			
* Skin	Subcut Tiss	Sarcoma	
[Sarcoma TGLS = 1-12]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 4-5]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 3-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1053

TRT#: 8

SEX: Female

DAY ON TEST: 532

DOSE: 3000 PPM MID FEM

DISP: Natural Death

HISTO: MB85-1053

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Heart	* Kidney	* Mammary Gland	* Nose
* Pituitary Gland	* Salivary Glands	* Skin	* Thyroid Gland
* Trachea	* Uterus	Zymbal's Gland	

AUTO PRECLUDES DIAG.

* Adrenal Cortex	* Adrenal Medulla	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Ovary	* Pancreas
* Parathyroid Gland	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Urinary Bladder			

INSUFFICIENT TISSUE

* Gallbladder	* Lymph Node, Mesenteric
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OBSERVATIONS

* Liver	Lymphoma Malignant Undifferentiated Cell Type
* Lung	Lymphoma Malignant Undifferentiated Cell Type
* Spleen	Lymphoma Malignant Undifferentiated Cell Type

[Lymphoma Malignant Undifferentiated Cell Type TGLS = 1-5]

PRIMARY CAUSE OF DEATH

-

Animal Note: LIVER, AND SPLEEN, BUT AUTOLYSIS PRECLUDES DEFINITIVE DX

Animal Note: A HEMATOPOIETIC NEOPLASM APPEARS TO BE PRESENT IN THE LUNG,

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1054

TRT#: 8

SEX: Female

DAY ON TEST: 742

DOSE: 3000 PPM MID FEM

DISP: Terminal Sacrifice

HISTO: MB85-1054

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
Zymbal's Gland			

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 4,5-12]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
[Hyperplasia TGLS = 1-2]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 2-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1055

TRT#: 8

SEX: Female

DAY ON TEST: 742

DOSE: 3000 PPM MID FEM

DISP: Terminal Sacrifice

HISTO: MB85-1055

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Zymbal's Gland

OBSERVATIONS

* Adrenal Cortex		Hemorrhage	Focal, Mild
* Brain		Mineralization	Focal, Mild
* Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 2-5]			
* Uterus		Dilatation	Marked
	Endometrium	Hyperplasia	Cystic, Mild
[Dilatation TGLS = 1-8]			
[Hyperplasia TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1056

TRT#: 8

SEX: Female

DAY ON TEST: 676

DOSE: 3000 PPM MID FEM

DISP: Moribund Sacrifice

HISTO: MB85-1056

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

Zymbal's Gland

OBSERVATIONS

* Gallbladder [Dilatation TGLS = 2-5]	Dilatation	Mild
* Liver [Osteosarcoma TGLS = 3,8-5, 9-13]	Fatty Change Hepatocellular Adenoma Osteosarcoma	Focal, Moderate Metastatic (Nose)
* Lung [Osteosarcoma TGLS = 4,5-6, 4,5-12]	Osteosarcoma	Metastatic (Nose)
* Nose [Osteosarcoma TGLS = 7-9]	Osteosarcoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1057

TRT#: 8

SEX: Female

DAY ON TEST: 742

DOSE: 3000 PPM MID FEM

DISP: Terminal Sacrifice

HISTO: MB85-1057

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Minimal
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
[Hepatocellular Adenoma TGLS = 5-13]			
[Hepatocellular Carcinoma TGLS = 3-5, 4-12]			
* Ovary		Hematocyst	
[Hematocyst TGLS = 1-8]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 2-8]			
Zymbal's Gland		Inflammation	Acute, Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1058

TRT#: 8

SEX: Female

DAY ON TEST: 742

DOSE: 3000 PPM MID FEM

DISP: Terminal Sacrifice

HISTO: MB85-1058

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
Zymbal's Gland			

OBSERVATIONS

* Liver		Eosinophilic Focus	
[Eosinophilic Focus TGLS = 4-12]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 1-2]			
* Ovary		Cyst	
[Cyst TGLS = 2-8]			
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[Hyperplasia TGLS = 3-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1059

TRT#: 8

SEX: Female

DAY ON TEST: 742

DOSE: 3000 PPMID FEM

DISP: Terminal Sacrifice

HISTO: MB85-1059

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Intestine Small, Jejunum		Carcinoma	
[Carcinoma TGLS = 6-13]			
* Kidney		Lymphoma Malignant Lymphocytic	
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Lymphoma Malignant Lymphocytic	
[Clear Cell Focus TGLS = 10-13]			
[Eosinophilic Focus TGLS = 9-12]			
[Lymphoma Malignant Lymphocytic TGLS = 8-5, 11-14]			
* Lung		Lymphoma Malignant Lymphocytic	
Lymph Node	Lumbar	Lymphoma Malignant Lymphocytic	
	Mediastinal	Lymphoma Malignant Lymphocytic	
		Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 1-2, 5-7, 12-12, 4-14, 7-14]			
[Lymphoma Malignant Lymphocytic TGLS = 1-2, 5-7, 12-12, 4-14, 7-14]			
[Lymphoma Malignant Lymphocytic TGLS = 1-2, 5-7, 12-12, 4-14, 7-14]			
* Lymph Node, Mandibular		Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 1-2, 5-7, 12-12, 4-14]			
* Lymph Node, Mesenteric		Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 1-2, 5-7, 12-12, 4-14]			
* Spleen		Lymphoma Malignant Lymphocytic	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1059	TRT#: 8	SEX: Female	DAY ON TEST: 742
	DOSE: 3000 PPM MID FEM	DISP: Terminal Sacrifice	HISTO: MB85-1059

ORGAN AND ACCOUNTABLE SITE STATUS

[Lymphoma Malignant Lymphocytic TGLS = 2-5]			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 3-8]			
Zymbal's Gland		Inflammation	Chronic Active, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1060

TRT#: 8

SEX: Female

DAY ON TEST: 742

DOSE: 3000 PPM MID FEM

DISP: Terminal Sacrifice

HISTO: MB85-1060

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	Zymbal's Gland

OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Liver [Hepatocellular Carcinoma TGLS = 3-5]	Hepatocellular Carcinoma	
* Lung	Hepatocellular Carcinoma	Metastatic (Liver)
* Ovary	Hematocyst	
	Mineralization	Focal, Moderate
* Uterus [Dilatation TGLS = 2-8]	Dilatation	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1061

TRT#: 8

SEX: Female

DAY ON TEST: 742

DOSE: 3000 PPM MID FEM

DISP: Terminal Sacrifice

HISTO: MB85-1061

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Zymbal's Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Liver		Eosinophilic Focus	
[Eosinophilic Focus TGLS = 5-5]			
Lymph Node	Mediastinal	Lymphoma Malignant Lymphocytic	
	Pancreatic	Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 1-3, 2-12]			
[Lymphoma Malignant Lymphocytic TGLS = 1-3, 2-12]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Spleen		Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 3-5]			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 4-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1062

TRT#: 8

SEX: Female

DAY ON TEST: 742

DOSE: 3000 PPM MID FEM

DISP: Terminal Sacrifice

HISTO: MB85-1062

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Lung	Alveolar/Bronchiolar Adenoma	
* Ovary	Cyst	
* Uterus	Dilatation	Marked

[Dilatation TGLS = 1-8]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1063

TRT#: 8

SEX: Female

DAY ON TEST: 742

DOSE: 3000 PPM MID FEM

DISP: Terminal Sacrifice

HISTO: MB85-1063

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
Zymbal's Gland			

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Kidney	Renal Tubule	Dilatation	Focal, Mild
* Spleen		Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 2-5]			
* Uterus		Dilatation	Moderate
[Dilatation TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1064

TRT#: 8

SEX: Female

DAY ON TEST: 742

DOSE: 3000 PPM MID FEM

DISP: Terminal Sacrifice

HISTO: MB85-1064

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Zymbal's Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3-5]			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 2-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1065

TRT#: 8

SEX: Female

DAY ON TEST: 742

DOSE: 3000 PPM MID FEM

DISP: Terminal Sacrifice

HISTO: MB85-1065

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Zymbal's Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Minimal
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 4,5-13]			
* Ovary		Cyst	
[Cyst TGLS = 2-8]			
* Stomach, Forestomach		Ulcer	Focal, Mild
[Ulcer TGLS = 6-12]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 3-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1066

TRT#: 8

SEX: Female

DAY ON TEST: 742

DOSE: 3000 PPM MID FEM

DISP: Terminal Sacrifice

HISTO: MB85-1066

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland	Lymphoma Malignant Lymphocytic	
* Ovary	Lymphoma Malignant Lymphocytic	
	Teratoma Benign	
[Lymphoma Malignant Lymphocytic TGLS = 4-8]		
* Pancreas	Lymphoma Malignant Lymphocytic	
* Salivary Glands	Lymphoma Malignant Lymphocytic	
* Spleen	Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 6-5]		
* Stomach, Forestomach	Lymphoma Malignant Lymphocytic	
* Thymus	Lymphoma Malignant Lymphocytic	
* Uterus	Dilatation	Moderate
	Ectopic Tissue	Focal
Endometrium	Hyperplasia	Cystic, Moderate
	Lymphoma Malignant Lymphocytic	

Note: ECTOPIC TISSUE IN THE UTERUS CONTAINS SQUAMOUS

Note: EPITHELIUM, INTESTINAL MUCOSA, AND CILIATED EPITHELIUM.

[Dilatation TGLS = 5-8]

[Hyperplasia TGLS = 5-8]

[Lymphoma Malignant Lymphocytic TGLS = 5-8]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1067

TRT#: 8

SEX: Female

DAY ON TEST: 742

DOSE: 3000 PPM MID FEM

DISP: Terminal Sacrifice

HISTO: MB85-1067

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
Zymbal's Gland			

MISSING

* Gallbladder

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Kidney		Infiltration Cellular	Lymphocyte, Focal, Moderate
* Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 3-5]			
Mesentery	Fat	Necrosis	Focal, Mild
[Necrosis TGLS = 4-12]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Stomach, Forestomach		Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 2-12]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Focal, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[Hyperplasia TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1068

TRT#: 8

SEX: Female

DAY ON TEST: 704

DOSE: 3000 PPMID FEM

DISP: Natural Death

HISTO: MB85-1068

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Parathyroid Gland	* Pituitary Gland	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	

MISSING

Zymbal's Gland

OBSERVATIONS

* Adrenal Cortex	Lymphoma Malignant Lymphocytic
* Gallbladder	Lymphoma Malignant Lymphocytic
* Intestine Large, Cecum	Lymphoma Malignant Lymphocytic
* Kidney	Lymphoma Malignant Lymphocytic
[Lymphoma Malignant Lymphocytic TGLS = 8,9-8,13]	
* Liver	Lymphoma Malignant Lymphocytic
[Lymphoma Malignant Lymphocytic TGLS = 7-5]	
* Lung	Lymphoma Malignant Lymphocytic
Lymph Node Mediastinal	Lymphoma Malignant Lymphocytic
[Lymphoma Malignant Lymphocytic TGLS = 11-7, 6-12, 3-2]	
* Lymph Node, Mandibular	Lymphoma Malignant Lymphocytic
[Lymphoma Malignant Lymphocytic TGLS = 11-7, 6-12, 3-2]	
* Lymph Node, Mesenteric	Lymphoma Malignant Lymphocytic
[Lymphoma Malignant Lymphocytic TGLS = 11-7, 6-12, 3-2]	
* Mammary Gland	Lymphoma Malignant Lymphocytic
* Ovary	Lymphoma Malignant Lymphocytic
[Lymphoma Malignant Lymphocytic TGLS = 10-8]	
* Pancreas	Lymphoma Malignant Lymphocytic
* Salivary Glands	Lymphoma Malignant Lymphocytic
[Lymphoma Malignant Lymphocytic TGLS = 1,2-2]	
* Skin	Lymphoma Malignant Lymphocytic
* Spleen	Lymphoma Malignant Lymphocytic

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1068

TRT#: 8

SEX: Female

DAY ON TEST: 704

DOSE: 3000 PPM MID FEM

DISP: Natural Death

HISTO: MB85-1068

ORGAN AND ACCOUNTABLE SITE STATUS

[Lymphoma Malignant Lymphocytic TGLS = 4,5-5]

* Thymus

Lymphoma Malignant Lymphocytic

* Urinary Bladder

Lymphoma Malignant Lymphocytic

* Uterus

Lymphoma Malignant Lymphocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:42
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1069

TRT#: 8

SEX: Female

DAY ON TEST: 743

DOSE: 3000 PPM MID FEM

DISP: Terminal Sacrifice

HISTO: MB85-1069

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	Zymbal's Gland	

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 5-5]			
* Skin	Subcut Tiss	Schwannoma Malignant	
[Schwannoma Malignant TGLS = 2,3-12, 6-13,14]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Focal, Minimal
* Urinary Bladder		Dilatation	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
[Hyperplasia TGLS = 4-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1070

TRT#: 8

SEX: Female

DAY ON TEST: 743

DOSE: 3000 PPM MID FEM

DISP: Terminal Sacrifice

HISTO: MB85-1070

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal 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	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	Zymbal's Gland	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Brain		Mineralization	Focal, Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3-13]			
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 4-12]			
* Ovary		Cyst	
[Cyst TGLS = 2-8]			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1071

TRT#: 8

SEX: Female

DAY ON TEST: 743

DOSE: 3000 PPM MID FEM

DISP: Terminal Sacrifice

HISTO: MB85-1071

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Zymbal's Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Liver		Eosinophilic Focus	
[Eosinophilic Focus TGLS = 3-12]			
* Lung	Arteriole	Hypertrophy	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-3]			
* Spleen		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 1-5]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1072

TRT#: 8

SEX: Female

DAY ON TEST: 743

DOSE: 3000 PPM MID FEM

DISP: Terminal Sacrifice

HISTO: MB85-1072

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Zymbal's Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Minimal
* Liver		Eosinophilic Focus	
[Eosinophilic Focus TGLS = 2-5]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Focal, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1073

TRT#: 8

SEX: Female

DAY ON TEST: 743

DOSE: 3000 PPMID FEM

DISP: Terminal Sacrifice

HISTO: MB85-1073

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Liver		Basophilic Focus	
* Lung	Interstitial	Inflammation	Focal, Minimal
* Ovary		Angiectasis	Moderate
		Hemangioma	
[Angiectasis TGLS = 2-8]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Uterus		Dilatation	Marked
	Endometrium	Hyperplasia	Cystic, Mild
[Dilatation TGLS = 1-8]			
[Hyperplasia TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1074

TRT#: 8

SEX: Female

DAY ON TEST: 743

DOSE: 3000 PPM MID FEM

DISP: Terminal Sacrifice

HISTO: MB85-1074

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	Zymbal's Gland

OBSERVATIONS

* Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 2-5]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Stomach, Forestomach		Ulcer	Focal, Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Focal, Moderate
* Uterus		Dilatation	Moderate
[Dilatation TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1075

TRT#: 8

SEX: Female

DAY ON TEST: 743

DOSE: 3000 PPM MID FEM

DISP: Terminal Sacrifice

HISTO: MB85-1075

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	Zymbal's Gland

OBSERVATIONS

* Adrenal Cortex		Hemorrhage	Focal, Mild
* Brain		Mineralization	Focal, Minimal
* Liver		Eosinophilic Focus	
* Ovary		Cyst	
[Cyst TGLS = 1-8]			
* Uterus		Dilatation	Marked
	Endometrium	Hyperplasia	Cystic, Mild
[Dilatation TGLS = 2-8]			
[Hyperplasia TGLS = 2-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1076

TRT#: 8

SEX: Female

DAY ON TEST: 743

DOSE: 3000 PPM MID FEM

DISP: Terminal Sacrifice

HISTO: MB85-1076

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	Zymbal's Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Minimal
* Liver		Basophilic Focus	
	[Hepatocellular Adenoma TGLS = 5-12, 6-13]	Hepatocellular Adenoma	Multiple
* Lung		Hemorrhage	Focal, Mild
	[Hemorrhage TGLS = 4-12]		
* Lymph Node, Mandibular		Cyst	
	[Cyst TGLS = 1-2]	Hemorrhage	Moderate
	[Hemorrhage TGLS = 1-2]		
* Uterus		Dilatation	Moderate
	Endometrium	Hyperplasia	Cystic, Mild
	[Dilatation TGLS = 2-8]		
	[Hyperplasia TGLS = 2-8]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1077

TRT#: 8

SEX: Female

DAY ON TEST: 743

DOSE: 3000 PPM MID FEM

DISP: Terminal Sacrifice

HISTO: MB85-1077

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	Zymbal's Gland	

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Kidney		Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 7-8]			
Lymph Node	Mediastinal	Lymphoma Malignant Lymphocytic	
	Renal	Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 6-12, 8-13]			
[Lymphoma Malignant Lymphocytic TGLS = 6-12, 8-13]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
[Hyperplasia TGLS = 1-2]			
* Ovary		Cyst	
[Cyst TGLS = 4-8]			
* Spleen		Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 5-5]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 3-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1078	TRT#: 8	SEX: Female	DAY ON TEST: 743
	DOSE: 3000 PPM MID FEM	DISP: Terminal Sacrifice	HISTO: MB85-1078

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	Zymbal's Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 4+5-5,12]			
* Ovary		Granulosa Cell Tumor Benign	
[Thecoma Benign TGLS = 2-8]		Thecoma Benign	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 3-8]			

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1079

TRT#: 8

SEX: Female

DAY ON TEST: 743

DOSE: 3000 PPM MID FEM

DISP: Terminal Sacrifice

HISTO: MB85-1079

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	Zymbal's Gland		

OBSERVATIONS

* Adrenal Cortex		Hemorrhage	Focal, Mild
* Lung	Interstitialium	Inflammation	Focal, Minimal
Mesentery	Fat	Necrosis	Focal, Mild
[Necrosis TGLS = 2-12]			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1080

TRT#: 8

SEX: Female

DAY ON TEST: 743

DOSE: 3000 PPM MID FEM

DISP: Terminal Sacrifice

HISTO: MB85-1080

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
Zymbal's Gland			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration Degeneration Hyperplasia	Focal, Mild Focal, Mild Lymphoid, Moderate
* Lymph Node, Mandibular [Hyperplasia TGLS = 1-2]			
* Uterus [Dilatation TGLS = 2-8] [Hyperplasia TGLS = 2-8]	Endometrium	Dilatation Hyperplasia	Moderate Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1082

TRT#: 8

SEX: Female

DAY ON TEST: 743

DOSE: 3000 PPM MID FEM

DISP: Terminal Sacrifice

HISTO: MB85-1082

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Zymbal's Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Minimal
* Liver		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 4-5]			
* Ovary		Cyst	
[Cyst TGLS = 1-8]		Granulosa Cell Tumor Benign	
* Spleen		Amyloid Deposition	Focal, Mild
[Amyloid Deposition TGLS = 3-5]			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 2-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1083

TRT#: 8

SEX: Female

DAY ON TEST: 743

DOSE: 3000 PPM MID FEM

DISP: Terminal Sacrifice

HISTO: MB85-1083

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	Zymbal's Gland		

OBSERVATIONS

* Adrenal Cortex		Hemorrhage	Focal, Moderate
* Liver		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 5-13]			
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 1-6]		Congestion	Mild
* Nose		Congestion	Mild
* Ovary		Cyst	
[Cyst TGLS = 3-8]			
* Spleen		Hematopoietic Cell Proliferation	Mild
[Hematopoietic Cell Proliferation TGLS = 2-5]			
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
[Hyperplasia TGLS = 4-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1084

TRT#: 8

SEX: Female

DAY ON TEST: 743

DOSE: 3000 PPM MID FEM

DISP: Terminal Sacrifice

HISTO: MB85-1084

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
Zymbal's Gland			

OBSERVATIONS

* Liver		Eosinophilic Focus	
[Eosinophilic Focus TGLS = 4-5]			
* Ovary		Cyst	
[Cyst TGLS = 1,2-8]			
* Spleen		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 5-5]			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 3-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1085

TRT#: 8

SEX: Female

DAY ON TEST: 743

DOSE: 3000 PPM MID FEM

DISP: Terminal Sacrifice

HISTO: MB85-1085

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
Zymbal's Gland			

OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Liver [Infiltration Cellular TGLS = 3-5]	Infiltration Cellular	Lymphocyte, Focal, Moderate
* Spleen [Hyperplasia TGLS = 2-5]	Hyperplasia	Lymphoid, Mild
* Uterus [Dilatation TGLS = 1-8]	Dilatation	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1086

TRT#: 8

SEX: Female

DAY ON TEST: 743

DOSE: 3000 PPM MID FEM

DISP: Terminal Sacrifice

HISTO: MB85-1086

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	Zymbal's Gland		

OBSERVATIONS

* Kidney	Infiltration Cellular	Lymphocyte, Focal, Moderate
* Liver	Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 8-5, 9-14]		
* Lymph Node, Mandibular	Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 3-2]		
* Ovary	Cyst	
[Cyst TGLS = 4-8]		
* Skin	Inflammation	Acute, Focal, Moderate
[Inflammation TGLS = 1-12, 2-13]	Inflammation	Chronic Active, Focal, Moderate
[Inflammation TGLS = 1-12, 2-13]		
* Spleen	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 6-5]		
* Uterus	Dilatation	Moderate
[Dilatation TGLS = 5-8]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1087

TRT#: 8

SEX: Female

DAY ON TEST: 743

DOSE: 3000 PPM MID FEM

DISP: Terminal Sacrifice

HISTO: MB85-1087

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	Zymbal's Gland		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla [Pheochromocytoma Benign TGLS = 3-3]		Pheochromocytoma Benign	
* Kidney		Nephropathy	Minimal
* Liver [Hepatocellular Carcinoma TGLS = 2-5]		Hepatocellular Carcinoma	
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Spleen [Hematopoietic Cell Proliferation TGLS = 4-5]		Hematopoietic Cell Proliferation	Mild
* Uterus [Hyperplasia TGLS = 1-8]	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1088

TRT#: 8

SEX: Female

DAY ON TEST: 743

DOSE: 3000 PPM MID FEM

DISP: Terminal Sacrifice

HISTO: MB85-1088

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
Zymbal's Gland			

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLS = 3-5, 4-12]		
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
	[Hyperplasia TGLS = 7-2]		
* Ovary		Hematocyst	
	[Hematocyst TGLS = 2-8]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen		Hyperplasia	Lymphoid, Mild
	[Hyperplasia TGLS = 6-5]		
* Thymus		Hyperplasia	Lymphoid, Moderate
* Uterus		Dilatation	Moderate
	[Dilatation TGLS = 1-8]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1089

TRT#: 8

SEX: Female

DAY ON TEST: 743

DOSE: 3000 PPM MID FEM

DISP: Terminal Sacrifice

HISTO: MB85-1089

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	Zymbal's Gland	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Liver		Basophilic Focus	
		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 5-12]			
* Ovary		Cyst	
[Cyst TGLS = 2-8]			
* Spleen		Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 4-5]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 3-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1090

TRT#: 8

SEX: Female

DAY ON TEST: 743

DOSE: 3000 PPM MID FEM

DISP: Terminal Sacrifice

HISTO: MB85-1090

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
Zymbal's Gland			

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Liver		Eosinophilic Focus	
[Eosinophilic Focus TGLS = 2-5]			
* Spleen		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 3-5]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1101

TRT#: 9

SEX: Female

DAY ON TEST: 739

DOSE: 10000PPMHIGH FEM

DISP: Terminal Sacrifice

HISTO: MB85-1101

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Zymbal's Gland			

OBSERVATIONS

* Bone Marrow		Angiectasis	Focal, Mild
* Liver		Hemangiosarcoma	
		Hepatocellular Adenoma	Multiple
[Hemangiosarcoma TGLS = 5-5]			
[Hepatocellular Adenoma TGLS = 2-5]			
* Lung	Alveolar Epith	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 4-12]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Hyperplasia	Plasma Cell, Mild
* Spleen		Hyperplasia	Lymphoid, Mild
* Thyroid Gland	Follicular Cel	Hyperplasia	Focal, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1102

TRT#: 9

SEX: Female

DAY ON TEST: 739

DOSE: 10000PPMHIGH FEM

DISP: Terminal Sacrifice

HISTO: MB85-1102

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal 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
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Gallbladder	* Zymbal's Gland
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Focal, Mild
* Islets, Pancreatic		Hyperplasia	Focal, Mild
* Kidney		Metaplasia	Osseous, Focal, Mild
[Metaplasia TGLS = 5-14]			
* Liver		Clear Cell Focus	
[Hepatocellular Adenoma TGLS = 4-5,12,13,14]		Hepatocellular Adenoma	Multiple
* Lymph Node, Mandibular		Cyst	
[Cyst TGLS = 1-2]			
* Ovary		Cyst	
[Cyst TGLS = 3-8]			
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[Hyperplasia TGLS = 2-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1103

TRT#: 9

SEX: Female

DAY ON TEST: 739

DOSE: 10000PPMHIGH FEM

DISP: Terminal Sacrifice

HISTO: MB85-1103

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Zymbal's Gland

MISSING

* Parathyroid Gland

OBSERVATIONS

* Brain	Mineralization	Focal, Minimal
* Liver	Eosinophilic Focus	
[Hepatocellular Adenoma TGLS = 5-14,12,5]	Hepatocellular Adenoma	Multiple
* Ovary	Cyst	
[Cyst TGLS = 1-8]		
* Uterus	Hemangiosarcoma	
[Hemangiosarcoma TGLS = 2-8]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1104

TRT#: 9

SEX: Female

DAY ON TEST: 742

DOSE: 10000PPMHIGH FEM

DISP: Terminal Sacrifice

HISTO: MB85-1104

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Zymbal's Gland			

OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Liver	Clear Cell Focus	
[Clear Cell Focus TGLS = 5-12]	Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 3-5, 4-12]		
* Ovary	Cyst	
[Cyst TGLS = 2-8]		
* Uterus	Dilatation	Moderate
[Dilatation TGLS = 1-8]	Hemangioma	
[Hemangioma TGLS = 6-8]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1105

TRT#: 9

SEX: Female

DAY ON TEST: 742

DOSE: 10000PPMHIGH FEM

DISP: Terminal Sacrifice

HISTO: MB85-1105

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Zymbal's Gland			

OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Liver	Hepatocellular Adenoma	
	Hepatocellular Carcinoma	
[Hepatocellular Adenoma TGLS = 2,5-5]		
[Hepatocellular Carcinoma TGLS = 3,4-12]		
* Ovary	Cyst	Minimal
	Infiltration Cellular	Lymphocyte, Focal, Moderate
* Uterus	Dilatation	Mild
[Dilatation TGLS = 1-8]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1106

TRT#: 9

SEX: Female

DAY ON TEST: 742

DOSE: 10000PPMHIGH FEM

DISP: Terminal Sacrifice

HISTO: MB85-1106

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Zymbal's Gland		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Mild
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 3,4-5, 2-12, 5-13, 6-14]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1107

TRT#: 9

SEX: Female

DAY ON TEST: 567

DOSE: 10000PPMHIGH FEM

DISP: Natural Death

HISTO: MB85-1107

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Esophagus
* Islets, Pancreatic
* Lymph Node, Mesenteric
* Parathyroid Gland
* Spleen
* Thyroid Gland

* Adrenal Medulla
* Heart
* Kidney
* Mammary Gland
* Pituitary Gland
* Stomach, Forestomach
* Trachea

* Bone
* Intestine Large, Colon
* Lung
* Nose
* Salivary Glands
* Stomach, Glandular
* Urinary Bladder

* Bone Marrow
* Intestine Large, Rectum
* Lymph Node, Mandibular
* Pancreas
* Skin
* Thymus
* Uterus

MISSING

* Zymbal's Gland

AUTO PRECLUDES DIAG.

* Gallbladder
* Intestine Small, Jejunum

* Intestine Large, Cecum

* Intestine Small, Duodenum

* Intestine Small, Ileum

OBSERVATIONS

* Brain
* Liver

Mineralization
Eosinophilic Focus
Fatty Change
Hepatocellular Adenoma

Focal, Mild
Focal, Mild

[Fatty Change TGLS = 1-5]

* Ovary

Cyst

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1108

TRT#: 9

SEX: Female

DAY ON TEST: 742

DOSE: 10000PPMHIGH FEM

DISP: Terminal Sacrifice

HISTO: MB85-1108

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Zymbal's Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Liver		Hepatoblastoma	
	[Hepatocellular Adenoma TGLS = 5-14,12,5]	Hepatocellular Adenoma	Multiple
* Ovary		Cyst	
	[Cyst TGLS = 3-8]	Teratoma Benign	
	[Teratoma Benign TGLS = 4-8]		
* Spleen		Hyperplasia	Lymphoid, Mild
	[Hyperplasia TGLS = 1-5]		
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
	[Hyperplasia TGLS = 2-8]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1109

TRT#: 9

SEX: Female

DAY ON TEST: 742

DOSE: 10000PPMHIGH FEM

DISP: Terminal Sacrifice

HISTO: MB85-1109

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Zymbal's Gland

OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Intestine Small, Ileum [Carcinoma TGLS = 3-12]	Carcinoma	
* Liver [Eosinophilic Focus TGLS = 7-14] [Hepatocellular Adenoma TGLS = 6-5, 5-5]	Clear Cell Focus Eosinophilic Focus Hepatocellular Adenoma	Multiple
* Lymph Node, Mandibular [Hyperplasia TGLS = 4-7, 1-2]	Hyperplasia	Plasma Cell, Minimal
* Lymph Node, Mesenteric [Hyperplasia TGLS = 4-7, 1-2]	Hyperplasia	Lymphoid, Minimal
* Ovary	Cyst	
* Spleen [Hematopoietic Cell Proliferation TGLS = 2-5]	Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1110

TRT#: 9

SEX: Female

DAY ON TEST: 742

DOSE: 10000PPMHIGH FEM

DISP: Terminal Sacrifice

HISTO: MB85-1110

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Zymbal's Gland		

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 1-12,5]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 2-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1111

TRT#: 9

SEX: Female

DAY ON TEST: 742

DOSE: 10000PPMHIGH FEM

DISP: Terminal Sacrifice

HISTO: MB85-1111

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus	* Zymbal's Gland		

OBSERVATIONS

* Adrenal Cortex	Cytoplasmic Alteration	Focal, Mild
* Brain	Mineralization	Focal, Minimal
* Liver	Hepatocellular Adenoma	Multiple
	Hepatocellular Carcinoma	

[Hepatocellular Adenoma TGLS = 2-12, 5-14]

[Hepatocellular Carcinoma TGLS = 3,4,5-13,14]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1112

TRT#: 9

SEX: Female

DAY ON TEST: 742

DOSE: 10000PPMHIGH FEM

DISP: Terminal Sacrifice

HISTO: MB85-1112

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[Basophilic Focus TGLS = 3-5]			
[Hepatocellular Adenoma TGLS = 3-12,5]			
* Ovary		Cyst	
[Cyst TGLS = 4-8]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Thyroid Gland	Follicular Cel	Adenoma	
	Follicular Cel	Hyperplasia	Focal, Mild
[Adenoma TGLS = 6-2]			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 5-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1113	TRT#: 9	SEX: Female	DAY ON TEST: 742
	DOSE: 10000PPMHIGH FEM	DISP: Terminal Sacrifice	HISTO: MB85-1113

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal 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	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Adrenal Medulla	* Pituitary Gland	* Zymbal's Gland
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OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Liver	Eosinophilic Focus	
	Hepatocellular Adenoma	Multiple
[Eosinophilic Focus TGLS = 4-13]		
[Hepatocellular Adenoma TGLS = 3-13, 5-5]		
* Ovary	Cyst	
[Cyst TGLS = 1,6-8]		
* Uterus	Endometrium	Cystic, Mild
[Hyperplasia TGLS = 2-8]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1114

TRT#: 9

SEX: Female

DAY ON TEST: 742

DOSE: 10000PPMHIGH FEM

DISP: Terminal Sacrifice

HISTO: MB85-1114

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Zymbal's Gland	

MISSING

* Gallbladder

OBSERVATIONS

* Bone Marrow		Lymphoma Malignant Lymphocytic Mineralization	Focal, Mild
* Brain			
* Kidney		Lymphoma Malignant Lymphocytic Basophilic Focus	
* Liver		Hepatocellular Adenoma	Multiple
		Lymphoma Malignant Lymphocytic	
	[Lymphoma Malignant Lymphocytic TGLS = 8-5]		
* Lung		Lymphoma Malignant Lymphocytic	
	Lymph Node		
	Lumbar	Lymphoma Malignant Lymphocytic	
	Mediastinal	Lymphoma Malignant Lymphocytic	
	Renal	Lymphoma Malignant Lymphocytic	
	[Lymphoma Malignant Lymphocytic TGLS = 1-2, 2-7, 9-12, 7-17, 3-16]		
	[Lymphoma Malignant Lymphocytic TGLS = 1-2, 2-7, 9-12, 7-17, 3-16]		
	[Lymphoma Malignant Lymphocytic TGLS = 1-2, 2-7, 9-12, 7-17, 3-16]		
* Lymph Node, Mandibular		Lymphoma Malignant Lymphocytic	
	[Lymphoma Malignant Lymphocytic TGLS = 1-2, 2-7, 9-12, 7-17]		
* Lymph Node, Mesenteric		Lymphoma Malignant Lymphocytic	
	[Lymphoma Malignant Lymphocytic TGLS = 1-2, 2-7, 9-12, 7-17]		
Mesentery		Lymphoma Malignant Lymphocytic	
	[Lymphoma Malignant Lymphocytic TGLS = 6-15]		
* Ovary		Lymphoma Malignant Lymphocytic	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1114	TRT#: 9	SEX: Female	DAY ON TEST: 742
	DOSE: 10000PPMHIGH FEM	DISP: Terminal Sacrifice	HISTO: MB85-1114

ORGAN AND ACCOUNTABLE SITE STATUS

[Lymphoma Malignant Lymphocytic TGLS = 5-8]			
* Salivary Glands		Lymphoma Malignant Lymphocytic	
* Spleen		Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 4-5]			
* Thymus		Lymphoma Malignant Lymphocytic	
* Urinary Bladder		Lymphoma Malignant Lymphocytic	
* Uterus		Dilatation	Mild
	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1115

TRT#: 9

SEX: Female

DAY ON TEST: 742

DOSE: 10000PPMHIGH FEM

DISP: Terminal Sacrifice

HISTO: MB85-1115

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Zymbal's Gland		

OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Kidney	Nephropathy	Minimal
* Liver	Clear Cell Focus	
	Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 8-12,5]		
Lymph Node	Lumbar	Lymphoma Malignant Lymphocytic
	Mediastinal	Lymphoma Malignant Lymphocytic
	Pancreatic	Lymphoma Malignant Lymphocytic
	Renal	Lymphoma Malignant Lymphocytic
[Lymphoma Malignant Lymphocytic TGLS = 1-2, 7-2, 5-13, 9-15, 6-12]		
[Lymphoma Malignant Lymphocytic TGLS = 1-2, 7-2, 5-13, 9-15, 6-12]		
[Lymphoma Malignant Lymphocytic TGLS = 1-2, 7-2, 5-13, 9-15, 6-12]		
[Lymphoma Malignant Lymphocytic TGLS = 1-2, 7-2, 5-13, 9-15, 6-12]		
* Lymph Node, Mandibular	Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 1-2, 7-2, 5-13, 9-15]		
* Lymph Node, Mesenteric	Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 1-2, 7-2, 5-13, 9-15]		
Mesentery	Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 4-12]		
* Ovary	Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 3-8]		
* Pancreas	Lymphoma Malignant Lymphocytic	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1115	TRT#: 9	SEX: Female	DAY ON TEST: 742
	DOSE: 10000PPMHIGH FEM	DISP: Terminal Sacrifice	HISTO: MB85-1115

ORGAN AND ACCOUNTABLE SITE STATUS

* Salivary Glands		Lymphoma Malignant Lymphocytic	
* Spleen		Lymphoma Malignant Lymphocytic	
[Lymphoma Malignant Lymphocytic TGLS = 2-5]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Focal, Minimal
* Uterus		Dilatation	Mild
	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1116

TRT#: 9

SEX: Female

DAY ON TEST: 742

DOSE: 10000PPMHIGH FEM

DISP: Terminal Sacrifice

HISTO: MB85-1116

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Esophagus	* Parathyroid Gland	* Zymbal's Gland
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Focal, Mild
* Brain		Mineralization	Focal, Mild
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 4,6-5, 5-5]			
Mesentery	Fat	Necrosis	Focal, Mild
[Necrosis TGLS = 3-12]			
* Uterus		Dilatation	Mild
	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 2-8]		Polyp Stromal	
[Polyp Stromal TGLS = 2-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1117

TRT#: 9

SEX: Female

DAY ON TEST: 742

DOSE: 10000PPMHIGH FEM

DISP: Terminal Sacrifice

HISTO: MB85-1117

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Zymbal's Gland		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[Eosinophilic Focus TGLS = 7-5,12,14]			
[Hepatocellular Adenoma TGLS = 3,4,5,6-14,13,5]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Moderate
* Ovary		Cyst	
[Cyst TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 2-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1118

TRT#: 9

SEX: Female

DAY ON TEST: 504

DOSE: 10000PPMHIGH FEM

DISP: Natural Death

HISTO: MB85-1118

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Zymbal's Gland	

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Brain	Mineralization	Focal, Minimal
* Liver	Basophilic Focus	
* Lung	Congestion	Minimal
[Congestion TGLS = 3-6]		
* Thymus	Necrosis	Moderate
* Uterus	Endometrium Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: IS DUE TO POST MORTEM CHANGE.

Animal Note: THE DISCOLORATION OF THE LIVER AND KIDNEYS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1119

TRT#: 9

SEX: Female

DAY ON TEST: 742

DOSE: 10000PPMHIGH FEM

DISP: Terminal Sacrifice

HISTO: MB85-1119

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal 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
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Zymbal's Gland			

OBSERVATIONS

* Adrenal Cortex		Hemorrhage	Focal, Mild
* Brain		Mineralization	Focal, Mild
* Islets, Pancreatic		Hyperplasia	Focal, Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
[Eosinophilic Focus TGLS = 6,5-12,13]			
[Hepatocellular Adenoma TGLS = 4-5]			
* Ovary		Cyst	
[Cyst TGLS = 1,2-8]			
* Spleen		Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 3-5]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Focal, Minimal
* Uterus		Leiomyoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1120

TRT#: 9

SEX: Female

DAY ON TEST: 700

DOSE: 10000PPMHIGH FEM

DISP: Moribund Sacrifice

HISTO: MB85-1120

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal 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	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	* Zymbal's Gland

MISSING

* Thymus

OBSERVATIONS

* Adrenal Medulla		Degeneration	Focal, Moderate
* Brain		Mineralization	Focal, Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Necrosis	Focal, Minimal
[Hepatocellular Adenoma TGLS = 4,5-5]			
Lymph Node	Iliac	Hyperplasia	Plasma Cell, Mild
	Renal	Hyperplasia	Plasma Cell, Minimal
[Hyperplasia TGLS = 7-12, 6-13]			
[Hyperplasia TGLS = 7-12, 6-13]			
Skeletal Muscle	Back	Sarcoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
[Hematopoietic Cell Proliferation TGLS = 2-5]			
Tissue NOS		Sarcoma	Metastatic (Skeletal Muscle)
[Sarcoma TGLS = 9-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1121

TRT#: 9

SEX: Female

DAY ON TEST: 742

DOSE: 10000PPMHIGH FEM

DISP: Terminal Sacrifice

HISTO: MB85-1121

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Zymbal's Gland			

MISSING

* Lymph Node, Mesenteric	* Pituitary Gland
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OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Kidney	Infiltration Cellular	Lymphocyte, Focal, Moderate
* Liver	Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 4,5,6,7,8-12,5]		
* Skin	Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 1-13]		
* Spleen	Hematopoietic Cell Proliferation	Moderate
* Uterus	Dilatation	Mild
	Endometrium	Cystic, Mild
[Dilatation TGLS = 3-8]		
[Hyperplasia TGLS = 3-8]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1122

TRT#: 9

SEX: Female

DAY ON TEST: 541

DOSE: 10000PPMHIGH FEM

DISP: Natural Death

HISTO: MB85-1122

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Brain
* Intestine Large, Rectum
* Lymph Node, Mandibular
* Ovary
* Salivary Glands
* Stomach, Glandular
* Urinary Bladder

* Adrenal Medulla
* Esophagus
* Islets, Pancreatic
* Lymph Node, Mesenteric
* Pancreas
* Skin
* Thymus
* Uterus

* Bone
* Heart
* Kidney
* Mammary Gland
* Parathyroid Gland
* Spleen
* Thyroid Gland
* Zymbal's Gland

* Bone Marrow
* Intestine Large, Colon
* Lung
* Nose
* Pituitary Gland
* Stomach, Forestomach
* Trachea

AUTO PRECLUDES DIAG.

* Gallbladder
* Intestine Small, Jejunum

* Intestine Large, Cecum

* Intestine Small, Duodenum

* Intestine Small, Ileum

OBSERVATIONS

* Liver Hepatocellular Adenoma

[Hepatocellular Adenoma TGLS = 1-5]

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1123

TRT#: 9

SEX: Female

DAY ON TEST: 742

DOSE: 10000PPMHIGH FEM

DISP: Terminal Sacrifice

HISTO: MB85-1123

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Zymbal's Gland		

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Liver		Eosinophilic Focus	
	[Hepatocellular Adenoma TGLS = 4-5, 6-12, 5-13]	Hepatocellular Adenoma	Multiple
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLS = 1-13]		
* Ovary		Cyst	
	[Cyst TGLS = 2-8]	Cystadenoma	
* Spleen		Hyperplasia	Lymphoid, Mild
* Stomach, Forestomach		Hyperplasia	Focal, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
	[Hyperplasia TGLS = 3-8]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1124	TRT#: 9	SEX: Female	DAY ON TEST: 742
	DOSE: 10000PPMHIGH FEM	DISP: Terminal Sacrifice	HISTO: MB85-1124

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mesenteric	* Zymbal's Gland
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OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 1-12,5]			
* Ovary		Cyst	
		Hematocyst	
[Cyst TGLS = 3-8]			
[Hematocyst TGLS = 4-8]			
* Pituitary Gland	Pars Distalis	Cyst	
* Uterus		Dilatation	Mild
	Endometrium	Hyperplasia	Cystic, Mild
[Dilatation TGLS = 2-8]			
[Hyperplasia TGLS = 2-8]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1125

TRT#: 9

SEX: Female

DAY ON TEST: 742

DOSE: 10000PPMHIGH FEM

DISP: Terminal Sacrifice

HISTO: MB85-1125

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Zymbal's Gland

OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Liver	Hepatocellular Adenoma	Multiple
	Hepatocellular Carcinoma	
[Hepatocellular Adenoma TGLS = 2-13,12]		
[Hepatocellular Carcinoma TGLS = 2-5]		
* Ovary	Cyst	
[Cyst TGLS = 1-8]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1126

TRT#: 9

SEX: Female

DAY ON TEST: 427

DOSE: 10000PPMHIGH FEM

DISP: Natural Death

HISTO: MB85-1126

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Colon	* Intestine Large, Rectum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Uterus			

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Brain		Mineralization	Focal, Mild
Note: SOFT BRAIN DUE TO POST MORTEM AUTOLYSIS.			
* Liver		Basophilic Focus	
Mesentery	Fat	Necrosis	Focal, Marked
[Necrosis TGLS = 1-8, 2-6]			
* Pancreas	Acinar Cell	Atrophy	Moderate
	Duct	Dilatation	Moderate
[Dilatation TGLS = 6-2]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 5-5]			
* Thymus		Atrophy	Moderate
* Urinary Bladder		Inflammation	Chronic Active, Focal, Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1127

TRT#: 9

SEX: Female

DAY ON TEST: 742

DOSE: 10000PPMHIGH FEM

DISP: Terminal Sacrifice

HISTO: MB85-1127

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Zymbal's Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 2-5, 3-12, 5-13, 4-14]			
* Ovary		Angiectasis	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Uterus		Dilatation	Moderate
[Dilatation TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1128	TRT#: 9	SEX: Female	DAY ON TEST: 742
	DOSE: 10000PPMHIGH FEM	DISP: Terminal Sacrifice	HISTO: MB85-1128

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
* Kidney	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Zymbal's Gland

MISSING

* Adrenal Cortex	* Adrenal Medulla	* Lymph Node, Mandibular	* Parathyroid Gland
* Pituitary Gland	* Thymus		

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[Eosinophilic Focus TGLS = 2-13]			
[Hepatocellular Adenoma TGLS = 3-14, 4-12]			
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
[Hyperplasia TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1129

TRT#: 9

SEX: Female

DAY ON TEST: 742

DOSE: 10000PPMHIGH FEM

DISP: Terminal Sacrifice

HISTO: MB85-1129

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Zymbal's Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Minimal
* Kidney		Infarct	Chronic, Focal, Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLS = 2-15,14,12,5]		
* Spleen		Hyperplasia	Lymphoid, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
	[Hyperplasia TGLS = 1-8]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1130	TRT#: 9	SEX: Female	DAY ON TEST: 742
	DOSE: 10000PPMHIGH FEM	DISP: Terminal Sacrifice	HISTO: MB85-1130

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* 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	* Uterus	* Zymbal's Gland

MISSING

* Parathyroid Gland

OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Liver	Hepatocellular Adenoma	Multiple
	Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLS = 1-12,14]	
	[Hepatocellular Carcinoma TGLS = 1-13,5]	
* Ovary	Cyst	
* Thyroid Gland	Follicular Cel Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1131

TRT#: 9

SEX: Female

DAY ON TEST: 689

DOSE: 10000PPMHIGH FEM

DISP: Moribund Sacrifice

HISTO: MB85-1131

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Zymbal's Gland			

OBSERVATIONS

* Adrenal Cortex		Cyst	
* Brain		Mineralization	Focal, Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
[Hepatocellular Adenoma TGLS = 4,5-5, 3-12, 6-13]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1132

TRT#: 9

SEX: Female

DAY ON TEST: 742

DOSE: 10000PPMHIGH FEM

DISP: Terminal Sacrifice

HISTO: MB85-1132

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Zymbal's Gland			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 8-12,5]			
Lymph Node	Lumbar	Lymphoma Malignant Mixed	
	Renal	Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 1-2, 5-14, 9-15]			
[Lymphoma Malignant Mixed TGLS = 1-2, 5-14, 9-15]			
* Lymph Node, Mandibular		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 1-2, 5-14, 9-15]			
* Ovary		Cyst	
[Cyst TGLS = 3,4-8]			
* Pancreas	Acinar Cell	Atrophy	Moderate
[Atrophy TGLS = 7-2]			
* Spleen		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 6-5]			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 2-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1132

TRT#: 9

SEX: Female

DAY ON TEST: 742

DOSE: 10000PPMHIGH FEM

DISP: Terminal Sacrifice

HISTO: MB85-1132

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1133

TRT#: 9

SEX: Female

DAY ON TEST: 742

DOSE: 10000PPMHIGH FEM

DISP: Terminal Sacrifice

HISTO: MB85-1133

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Zymbal's Gland

MISSING

* Gallbladder

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 5-12, 2,3,4-5]			
* Ovary		Hyperplasia	Tubular, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1134

TRT#: 9

SEX: Female

DAY ON TEST: 742

DOSE: 10000PPMHIGH FEM

DISP: Terminal Sacrifice

HISTO: MB85-1134

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Zymbal's Gland

OBSERVATIONS

* Adrenal Cortex		Cyst	
* Brain		Mineralization	Focal, Mild
Clitoral Gland	Duct	Dilatation	Mild
		Inflammation	Chronic Active, Mild
[Dilatation TGLS = 1-13]			
[Inflammation TGLS = 1-13]			
* Intestine Large, Cecum		Lymphoma Malignant Mixed	
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Lymphoma Malignant Mixed	
[Hepatocellular Adenoma TGLS = 8-16,15,14,5]			
[Lymphoma Malignant Mixed TGLS = 8-5]			
Lymph Node	Lumbar	Lymphoma Malignant Mixed	
	Pancreatic	Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 7-7, 2-12, 6-17]			
[Lymphoma Malignant Mixed TGLS = 7-7, 2-12, 6-17]			
* Lymph Node, Mesenteric		Lymphoma Malignant Mixed	
[Lymphoma Malignant Mixed TGLS = 7-7, 2-12, 6-17]			
* Ovary		Cyst	
[Cyst TGLS = 4-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1134	TRT#: 9	SEX: Female	DAY ON TEST: 742
	DOSE: 10000PPMHIGH FEM	DISP: Terminal Sacrifice	HISTO: MB85-1134

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Lymphoma Malignant Mixed TGLS = 3-5]		Lymphoma Malignant Mixed	
* Uterus [Hyperplasia TGLS = 5-8]	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1135

TRT#: 9

SEX: Female

DAY ON TEST: 108

DOSE: 10000PPMHIGH FEM

DISP: Natural Death

HISTO: MB85-1135

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Pituitary Gland	* Salivary Glands
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AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Ileum
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OBSERVATIONS

* Kidney Note: PALE COLOR OF KIDNEYS DUE TO POST MORTEM CHANGE.		
* Liver Note: PALE COLOR OF LIVER DUE TO AUTOLYSIS. [Necrosis TGLS = 3-5]	Necrosis	Focal, Mild
* Lymph Node, Mesenteric	Necrosis	Mild
* Ovary Note: ECTOPIC TISSUE CONSISTS OF TROPHOBLASTIC CELLS. [Hematocyst TGLS = 1-8]	Choriocarcinoma Ectopic Tissue Hematocyst	
* Spleen	Depletion Lymphoid Hematopoietic Cell Proliferation	Mild Mild
* Thymus	Depletion Lymphoid Necrosis	Moderate Mild
* Uterus	Deciduoma Benign	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1136

TRT#: 9

SEX: Female

DAY ON TEST: 742

DOSE: 10000PPMHIGH FEM

DISP: Terminal Sacrifice

HISTO: MB85-1136

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Zymbal's Gland			

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 1-13,12,5]			
* Ovary		Cyst	
[Cyst TGLS = 3-8]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 2-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1137

TRT#: 9

SEX: Female

DAY ON TEST: 742

DOSE: 10000PPMHIGH FEM

DISP: Terminal Sacrifice

HISTO: MB85-1137

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Zymbal's Gland

OBSERVATIONS

* Liver	Basophilic Focus	
	Eosinophilic Focus	
[Hepatocellular Adenoma TGLS = 2-5,12,13]	Hepatocellular Adenoma	Multiple
* Ovary	Cyst	
[Cyst TGLS = 1-8]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1138

TRT#: 9

SEX: Female

DAY ON TEST: 742

DOSE: 10000PPMHIGH FEM

DISP: Terminal Sacrifice

HISTO: MB85-1138

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[Eosinophilic Focus TGLS = 4-12]		
	[Hepatocellular Adenoma TGLS = 4-5,12,13]		
* Ovary		Angiectasis	Moderate
		Cyst	
		Hemangioma	
	[Angiectasis TGLS = 3-8]		
	[Cyst TGLS = 2-8]		
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLS = 1-8]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1139

TRT#: 9

SEX: Female

DAY ON TEST: 742

DOSE: 10000PPMHIGH FEM

DISP: Terminal Sacrifice

HISTO: MB85-1139

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Zymbal's Gland	

MISSING

* Gallbladder

OBSERVATIONS

* Liver		Eosinophilic Focus Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 2-13,12,5]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Lymph Node, Mandibular		Cyst	
[Cyst TGLS = 1-2]			
* Ovary		Cyst	
[Cyst TGLS = 3-8]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 4-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1140

TRT#: 9

SEX: Female

DAY ON TEST: 715

DOSE: 10000PPMHIGH FEM

DISP: Moribund

HISTO: MB85-1140

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal 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
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Zymbal's Gland		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Brain		Mineralization	Focal, Mild
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 5,7-5]			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 6-12]			
Mesentery	Fat	Necrosis	Focal, Moderate
[Necrosis TGLS = 1+2-8,12]			
* Ovary		Cyst	
[Cyst TGLS = 4-8]			
* Pancreas	Duct	Dilatation	Moderate
		Fibrosis	Focal, Moderate
* Urinary Bladder		Inflammation	Chronic Active, Focal, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 3-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1141	TRT#: 9	SEX: Female	DAY ON TEST: 742
	DOSE: 10000PPMHIGH FEM	DISP: Terminal Sacrifice	HISTO: MB85-1141

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Zymbal's Gland

OBSERVATIONS

* Liver		Eosinophilic Focus Hepatocellular Adenoma	Multiple
[Eosinophilic Focus TGLS = 4-5,12,13] [Hepatocellular Adenoma TGLS = 4-13,12,5]			
* Ovary		Angiectasis Cyst	Mild
[Cyst TGLS = 1,2-8]			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 3-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1142

TRT#: 9

SEX: Female

DAY ON TEST: 38

DOSE: 10000PPMHIGH FEM

DISP: Accidentally Killed

HISTO: MB85-20-0006

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Lung Hemorrhage Multifocal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1143

TRT#: 9

SEX: Female

DAY ON TEST: 721

DOSE: 10000PPMHIGH FEM

DISP: Moribund

HISTO: MB85-1143

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus	* Zymbal's Gland		

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Brain		Mineralization	Focal, Moderate
* Liver		Eosinophilic Focus	
		Fatty Change	Focal, Mild
		Hepatocellular Adenoma	Multiple
[Fatty Change TGLS = 5-5,12]			
[Hepatocellular Adenoma TGLS = 4,7-5,12]			
* Lung	Alveolar Epith	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 6-6]			
* Ovary		Cyst	
[Cyst TGLS = 1,2-8]			
* Skin	Subcut Tiss	Schwannoma Malignant	
[Schwannoma Malignant TGLS = 3-12]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1144

TRT#: 9

SEX: Female

DAY ON TEST: 694

DOSE: 10000PPMHIGH FEM

DISP: Moribund Sacrifice

HISTO: MB85-1144

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Zymbal's Gland

OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Kidney	Nephropathy	Mild
[Nephropathy TGLS = 8-8]		
* Liver	Hepatocellular Adenoma	Multiple
[Lymphoma Malignant Histiocytic TGLS = 4,5,6,7-5]	Lymphoma Malignant Histiocytic	
Lymph Node	Lymphoma Malignant Histiocytic	
Iliac	Lymphoma Malignant Histiocytic	
Renal	Lymphoma Malignant Histiocytic	
[Lymphoma Malignant Histiocytic TGLS = 9-12, 10-13, 11-15]		
[Lymphoma Malignant Histiocytic TGLS = 9-12, 10-13, 11-15]		
[Lymphoma Malignant Histiocytic TGLS = 9-12, 10-13, 11-15]		
* Pancreas	Lymphoma Malignant Histiocytic	
* Spleen	Lymphoma Malignant Histiocytic	
[Lymphoma Malignant Histiocytic TGLS = 2-5]		
* Uterus	Endometrium	Hyperplasia
		Cystic, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: NO PANCREATIC LN (#3) COULD BE FOUND.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1145

TRT#: 9

SEX: Female

DAY ON TEST: 742

DOSE: 10000PPMHIGH FEM

DISP: Terminal Sacrifice

HISTO: MB85-1145

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Zymbal's Gland	

OBSERVATIONS

* Brain		Mineralization	Focal, Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLS = 3-5, 4-13, 6-5, 5-12]			
* Lymph Node, Mandibular		Cyst	
* Ovary		Cyst	
[Cyst TGLS = 1-8]			
* Thymus		Cyst	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 2-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1146

TRT#: 9

SEX: Female

DAY ON TEST: 742

DOSE: 10000PPMHIGH FEM

DISP: Terminal Sacrifice

HISTO: MB85-1146

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal 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
* Kidney	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Zymbal's Gland			

MISSING

* Gallbladder	* Lymph Node, Mesenteric
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OBSERVATIONS

* Adrenal Cortex [Cyst TGLS = 5-3]		Cyst	
* Brain		Mineralization	Focal, Mild
* Liver [Hepatocellular Carcinoma TGLS = 4-5,12,13]		Hepatocellular Carcinoma	
* Ovary [Cyst TGLS = 2-8]		Cyst	
* Spleen [Hematopoietic Cell Proliferation TGLS = 3-5]		Hematopoietic Cell Proliferation	Mild
* Uterus [Hyperplasia TGLS = 1-8]	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1147

TRT#: 9

SEX: Female

DAY ON TEST: 742

DOSE: 10000PPMHIGH FEM

DISP: Terminal Sacrifice

HISTO: MB85-1147

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Zymbal's Gland

OBSERVATIONS

* Brain	Mineralization	Focal, Minimal
* Liver	Hepatocellular Adenoma	Multiple
	Hepatocellular Carcinoma	
[Hepatocellular Adenoma TGLS = 2+3-12]		
[Hepatocellular Carcinoma TGLS = 1-5, 2,3-12]		
* Stomach, Forestomach	Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 4-4]		
* Uterus	Endometrium	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1149

TRT#: 9

SEX: Female

DAY ON TEST: 742

DOSE: 10000PPMHIGH FEM

DISP: Terminal Sacrifice

HISTO: MB85-1149

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Zymbal's Gland

OBSERVATIONS

* Brain	Mineralization	Focal, Mild
* Kidney	Metaplasia	Osseous, Focal, Minimal
* Liver	Hepatocellular Adenoma	
	Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 3-5]		
* Lymph Node, Mesenteric	Hemorrhage	Mild
[Hemorrhage TGLS = 1-7]		
* Ovary	Cyst	Minimal
* Stomach, Forestomach	Hyperplasia	Focal, Mild
	Ulcer	Focal, Mild
[Hyperplasia TGLS = 2-12]		
[Ulcer TGLS = 2-12]		
* Thyroid Gland	Follicular Cel	Hyperplasia
		Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05130-02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: C.I. Direct blue 218
CAS Number: 28407-37-6

Date Report Requested: 10/20/2014
Time Report Requested: 08:56:43
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 1150

TRT#: 9

SEX: Female

DAY ON TEST: 742

DOSE: 10000PPMHIGH FEM

DISP: Terminal Sacrifice

HISTO: MB85-1150

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* 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	* Zymbal's Gland	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Brain		Mineralization	Focal, Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
[Hepatocellular Adenoma TGLS = 2-5,12]			
[Hepatocellular Adenoma TGLS = 2-5,12]			
[Hepatocellular Carcinoma TGLS = 2-5,13]			
* Ovary		Cyst	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal
* Uterus		Dilatation	Moderate
	Endometrium	Hyperplasia	Cystic, Mild
[Dilatation TGLS = 1-8]			
[Hyperplasia TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

**** END OF REPORT ****

* PROTOCOL REQUIRED TISSUE